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B altimore. Mayor

THE MAYOR'S MESSAGE

— AND —

REPORTS OF THE CITY OFFICERS

— MADE TO THE —

CITY COUNCIL OF BALTIMORE,

FOR THE YEAR 1889.

BALTIMORE:
John Cox, "City Printer,"
PRATT STREET AND SPEAR'S WHARF.
1890.

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MAYOR'S MESSAGE.

MAYOR'S OFFICE.

BALTIMORE, January 27th, 1890.

To the Honorable the Members
of the City Council of Baltimore:

GENTLEMEN:

Among the duties imposed by law upon the Chief Executive of the City, is that he shall make a report to the City Council, during the first five days of their session, of the general state of the City, and furnish an accurate account of the money received and expended, to the end that the information may be generally diffused, and the citizens may have the opportunity to be apprised of the facts, and kept in touch with the administration of that which is, in fact, their own business.

This duty, literally performed, calls for no retrospect, nor yet for any distant view of the future.

I may be pardoned, however, a few words in introduction of a more general character than indicated by the requirements of the Act of Assembly.

It would be idle to comment upon the general advantages of this City for the successful prosecution of manufacturing, trade and commerce. They are numerous, and perhaps it has been too much the custom to dwell upon them, and to be lulled into security by the song of our own praises, while other communities less favored in natural advantages have been, like the Hollanders, actively engaged in building theirs even out of the sea. It is a source of great satisfaction, however, to be able to say that, in my judgment, all the conditions in Baltimore appear to be favorable to a rapid, and permanent increase, in the material welfare and prosperity of the people.

It is true that the past year has been one of no little apprehension, from the fact that the tax rate has been increased. Nothing else affects the people so directly and generally, and, in the absence of the opportunity, or time for the analysis of causes, the apprehension of permanent danger sometimes exceeds its reality.

The diminution of the public burthens is, certainly, the immediate duty of the hour, and its first and most natural direction is, not only the abandonment of every extravagance; but, the retrenchment even of expense, which seems necessary, by postponement to a more convenient season of some things which are merely desirable.

To draw the line between that which is essential in order to keep pace with the times, and the absence of

which would put a brake upon the wheels of our progress, and that which may be laid aside without injury, though perhaps not without some inconvenience, is not always easy, but it is your duty, as the law giver, as it is mine as the Executive of the City, under our present conditions. While we are hoping to increase the basis from which our taxes are to be raised, let us not forget that a more certain resource is to be found in lessening the amount to be provided for in the next year's levy.

The City has been involved in something like a business crisis, too familiar in the commercial world, during which, while its expenses continued, its income was impaired.

The unsanguine or despondent, in such cases, despair of the ultimate value of their assets, and look upon the present conditions as those that are to prevail always. In truth, our assets have reached, we trust, their lowest point, and the reaction has set in. There are, I think, great indications of increasing prosperity in this City. Our chief railroad investment has largely increased in value, during the past year, and there has been considerable activity in that class of building (the houses for large business enterprises), which indicates the confidence of capital, and gives evidence of its intention to make its home among us. There are many signs of the renewal of old and the introduction of new industries.

There are hopeful signs of the revival, in other forms, of that ship building for which this port was once famous. The trade in grain, which naturally belongs to

Baltimore, threatened for awhile, has, through the activity and intelligence of our merchants, railroad managers and steamship lines, been fully regained, and has poured in upon us in renewed volume. The activity and enterprise of our merchants and manufacturers, in various other lines of trade, have been commendable, and the ability of our market, to successfully compete for trade, has been demonstrated beyond question.

Capital to a large amount is offering for a new enterprise, which promises renewed facilities and greater competition in the movement of freights and the extension of the area of our business. Another striking fact is the increase in the importance of this City as a financial centre. It is only recently that large corporations have resorted hither in order to procure the means to prosecute their enterprises.

Wealth has become sufficiently abundant here to compete, to some extent, with the city of New York in attracting such business, and an importance has thus been given to the City, which renders it more attractive in other lines of business.

There is a buoyancy and hopeful spirit among our citizens engaged in business, which, while it is evidence of private prosperity, is an indication of confidence in a general and sound advance in trade and commerce.

The first subject to which your attention is invited, in review of the business of the corporation during the year ending December 31, 1889, is "the financial condition of the City as shown by the Register's report."

FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt Dec. 31st, 1889.....		$36,738,107 70
Guaranteed debt, viz:		
Endorsement of Western Maryland R. R. third mortgage bonds.....	$875,000 00	
Endorsement of Union R. R. first mortgage bonds	117,000 00	
		992,000 00
Total funded and guaranteed debt December 31st, 1889.....		$37,730,107 70
Of this amount, interest is provided or paid on as follows:		
From Commissioners of Finance on Western Maryland R. R. loan and bonds.....	$1,875,000 00	
The Baltimore & Ohio Railroad Company on.	5,000,021 55	
Western Maryland Railroad Company.....	2,388,000 00	
City Passenger Railway Companies on.....	755,566 25	
Amounts carried forward	$10,018,587 80	$37,730,107 70

Amounts brought forw'd	$10,018,587 80	$37,730,107 70
Water Board, from income on	10,100,000 00	
Union Railroad on	117,000 00	
Overdue stock, no interest allowed	5,927 96	
Overdue Western Maryland R. R. bonds	2,900 00	
		20,244,415 76
Balance		$17,485,691 94

Productive Investments.

Value of sinking funds.	$ 6,552,491 59	
550 shares Baltimore & Reisterstown Turnpike Co. Stock	2,062 50	
137 shares Baltimore and Frederick Turnpike Co Stock	456 66	
625 shares Baltimore and Yorktown Turnpike Co. Stock	3,125 00	
Real estate annual rental. $10,225 11		
Wharf property 38,000 00		
Market houses 50,000 00		
	$98,225 11	
Captalized at 6 per ct. is	1,637,085 16	
		$ 8,195,220 91
Balance of debt over available income producing securities		$9,290,471 03

Unproductive Investments.

32,500 shares Baltimore & Ohio R. R. stock...	$ 3,250,000 00	
4,000 shares Western Md. Railroad stock.....	200,000 00	
Western Md. Railroad Co. mortgages to secure endorsements and loan of City stock....	1,875,000 00	
Western Md. R. R. Co. accrued interest advanced.....	2,380,500 00	
83,000 Philadelphia and Reading Railroad 3d mortgage preference bonds.....	83,000,00	
10,000 shares Valley R. R. of Va. stock.....	1,000,000 00	
120 shares Balto. & Havre de Grace Turnpike stock.....	No value.	
		$ 8,788,500 00
Besides other property, such as— Court houses, Record office, City Hall, Jail, police stations, fire-engine houses and apparatus, school houses, almshouse, ice-boats, quarantine station, public parks, &c., valued at.....		$10,000,000 00
		$18,788,500 00

COMPARISON OF DEBT DECEMBER 31, 1889, WITH DEBT DECEMBER 31, 1888.

Amount of funded and guaranteed debt December 31, 1889		$37,730,107 70
Debt December 31, 1888		37,030,537 70
Increase of debt during year 1889		699,570 00

The increase of $699,570 in the funded and guaranteed debt during the year 1889 is thus accounted for:

Water loan 4 per cent. 1926 issued in 1889	$200,000 00	
Internal improvement 3½ per cent. 1928 loan	500,000 00	
		$700,000 00
From which deduct:		
One million loan of 1886, redeemed portion	$400 00	
Western Maryland Railroad scrip redeemed	30 00	
		430 00
Showing increase of debt for 1889		$699,570 00

Although the actual funded and guaranteed debt of the City is $37,730,107.70, the tax payers are only called upon to provide interest on $17,485,691.94, of which $6,552,491.59 being in the sinking fund, the City pays interest thereon to itself.

As will be seen by reference to the report of the Commissioners of Finance, the following bonds of the City are due and payable in the year 1890:

Consolidated six per cents	$ $7,306,546 22
Public Park six per cents	555,566 25
Five Million Loan	5,000,021 55
Total	$12,862,134 02

The report of the Commissioners of Finance also gives an itemized statement of the indebtedness of the Western Maryland Railroad Company to the City of Baltimore, and also a full statement of the financial condition of that company.

SINKING FUNDS.

The following table will show the value of the sinking funds held by the Commissioners of Finance for the redemption of City loans.

The increment of these funds is derived from various investments, ground rents, leases, and City stock, and the interest is regularly collected by the Commissioners of Finance, and by them re-invested.

The Ordinance of 1881 provides that premiums realized upon sale of City stock should go to the sinking fund, except the Jones' Falls improvement stock.

The money received from this source during 1889 was $33,000.

Value of sinking funds Dec. 31, 1889..	$ 6,552,491 59
Value of sinking funds Dec. 31, 1888..	6,293,954 52
Increase of sinking funds during the year 1889	$ 258,537 07

RECEIPTS AND EXPENDITURES.

The report of the City Register shows the receipts from collection of taxes and other sources applicable to the support of the municipal government for 1889 as follows:

RECEIPTS—ACTUAL INCOME.

From	City Collector, levy of 1888...	$3,668,170 73	
"	City Collector, levy of previous years.....	1,338,073 55	
			$5,006,244 28
"	public schools, tuition, fees, and J. F. Plummer.....		3,575 80
"	market houses, rent of stalls and halls.....		56,457 15
"	wharfage and rent of wharves..		25,292 64
"	general licenses.....		46,015 07
"	Chesapeake and Potomac Telephone Company.....		1,500 00
"	auction duties.....		5,340 90
"	Magistrates' fines, Jail and removed cases.....		8,943 56
"	Health and Street Departments		7,300 77
"	permits for signs, sheds, &c...		8,492 26
"	Inspector of Gas Meters.....		2,675 69
"	City Commissioner's Department.....		5,396 79
"	Bayview, Mount Hope and Spring Grove Asylums.....		8,907 38
"	Fire Department.....		502 25
"	Turnpike dividends.....		305 65
"	sale of City property.....		3,700 00
"	aggregate of sundry small items		1,215 32
Amount carried forward.....			$5,191,865 51

Amount brought forward	$5,191,865 51
" vaults and areas	909 89
" dog pound	436 80
" taxes in Annex for 1888	54,141 29
" taxes in Annex for 1889	86,256 16
	$5,333,609 65

The receipts for 1888 were $4,819,391.28, of which there was received from the City Collector from

Taxes from the levy of 1888	$3,614,046 64	
From City Collector, levies of previous years	1,011,989 02	
		$4,626,035 66

This shows an excess of receipts in 1889 over those of 1888 of $514,218.37. A reason for this increase for 1889 is due to the taxes received from the Annex. The collection of back taxes for 1888 was $1,011,989.02, whereas in 1889 it was $1,338,073.55.

The following table from the Register's report shows the actual expenses of the City government for 1889, in order that a comparison may be made with the expenses of 1888.

TABLE SHOWING DISBURSEMENTS FOR ACTUAL EXPENSES OF CITY GOVERNMENT FOR YEARS 1888 AND 1889.

	1888.	1889.
Interest on the public debt.	$954,064 70	$1,001,247 40
Expenses of the Law Courts	113,696 95	135,190 41
Cost of Registration	60,115 64	65,138 86
Expenses of City Jail	53,908 44	52,445 63
Magistrates, judgments, suits, coroners and removed cases	27,161 00	31,850 38
Public schools, less amount paid by State	597,902 22	619,759 32
Expenses of City poor	233,917 18	226,543 34
Harbor Commission	77,954 77	57,106 15
Police Department	721,167 89	779,941 88
Health Department	78,816 03	79,776 24
Department of Street Cleaning	265,384 84	262,721 12
Fire Department	269,481 04	239,369 33
Inspector of Buildings Department	133,163 44	94,201 95
City Commissioner's Department	221,974 66	129,137 63
Expenses of parks and squares, exclusive of Druid Hill and Patterson Parks	53,250 55	41,519 43
Amounts carried forward.	$3,861,959 35	$3,815,949 07

	1888.	1889.
Amounts brought forw'd.	$3,861,959 35	$3,815,949 07
General Superintendent of Lamps, Gas and Electric Light	250,023 11	250,631 29
City Council—salaries of members and expenses..	54,922 66	56,935 55
General Expenses	1,148 42	1,155 57
Care of Masonic Hall and Court House	3,451 79	10,097 82
Care of Court House and Grounds	6,534 53	
Expenses of Markets and Market Halls	4,766 15	5,177 93
Harbor Masters' Commissions for collecting wharfage	8,452 31	6,781 11
Salaries	72,607 09	72,241 27
City Library—supplies for departments	7,991 89	7,499 02
Public Printing	2,799 53	981 18
Discount on taxes and temporary loans	135,081 80	139,409 07
Heating and general care of City Hall	21,646 95	16,915 95
Mayoralty	2,176 86	1,815 06
Water 1926 Loan sinking fund		9,365 32
Internal Improvement 1928 Loan sinking fund		9,365 32
Amounts carried forward.	$4,433,562 44	$4,404,320 53

	1888.	1889.
Amounts brought forw'd..	$4,433,562 44	$4,404,320 53
Expenditures in annex...		251,434 94
Lamplighters' salaries....	46,514 00	46,514 00
Special appropriations....	2,766 55	2,852 30
Ground rents on city property	3,697 84	3,697 84
City Collector and Appeal Tax Court—salaries and expenses	52,199 48	52,246 02
Election expenses.....	9,243 15	7,690 93
Dog pound.....	1,148 00	1,000 00
Supervisors of Elections..	3,972 89	5,567 62
Maryland Institute School of Design.....	6,000 00	6,000 00
Fire-plugs and fountains.	5,000 00	
General licenses.....	1,352 50	1,380 60
Refunded taxes.....	3,502 35	2,005 81
Enoch Pratt Free Library	50,000 00	50,000 00
Release of Mortgage—No. 6 Engine House.....	6,180 00	
Music at the Parks	3,000 00	
Ice Boat Maryland.....	10,000 00	10,000 00
Extension of City limits..	9,707 96	
Insurance of Bay View Asylum.....	1,305 00	1,295 00
Repairing Records of Circuit Court.....	2,000 00	
Survey for removal of tracks on North street.	1,032 37	
Amounts carried forward.	$4,652,184 53	$4,846,005 59

	1888.	1889.
Amounts brought forw'd..	$4,652,184 53	$4,846,005 59
Baltimore Light Infantry —improvement of armory	1,000 00	
Building new Ice Boat...		60,000 00
Surveying and Platting the Annex.....		4,361 90
New bell on City Hall....		2,943 00
Lots for colored school and manual training school.	14,800 00	
City's proportion for opening and closing streets..	300,683 92	197,012 18
State Tax on City Loans..	15,996 10	11,965 42
Aggregate of small items..	1,570 66	2,893 22
Paving streets.....		1,163 27
	$4,986,235 21	$5,126,344 58

The amount required for the redemption of the City stock, known as the Five Million Loan, actual amount $5,000,021.55, was promptly paid into the City Treasury from the Five Million Loan sinking fund and by the Baltimore and Ohio Railroad Company, and credited as of 2d of January, 1890, hence next year the funded debt will be reduced by that sum—that is, were it deducted 31st of December, 1889, the funded debt would show $31,738,086 15

The actual income during 1889 was....	$	5,333,609 65
The actual expenses same period were..		5,126,344 58
Income over expenses.....	$	207,265 07
Received in Treasury from all sources, including cash balance December 31, 1888.....	$10,791,524 35	
Payments from Treasury during the year	10,418,976 23	
Cash in bank 31st Dec. 1889.....	$	372,548 12
The increase of bonded debt was.....	$	699,570 00
The increase of floating debt was.....		85,806 55
Total increase.....	$	785,376 55

The increase in bonded debt is, of course, explained by the issue of new stock, less redemption of old, and the increase in the floating indebtedness is shown in the following statement:

FLOATING DEBT.

	1888.	1889.
Balance due Water Board.	$24,557 78	$22,303 17
Balance due Park Board..	2,818,84	10,439 63
Balance due Jones' Falls Improvement	69,657 89	9,276 22
Balance due completion of Harford Run.....	52,426 79	32,440 89
Balance due Water 1926 Loan.....	45,115 91	
Amounts carried forward.	$194,577 21	$74,459 91

		1888.	1889.
Amounts brought forw'd..		$194,577 21	$74,459 91
Balance due Internal Improvement 1928 Loan...			198,768 88
Temporary Loans from banks.....		915,000 00	765,000 00
Paving certificates maturing during the year 1889.		6,891 12	
Paving certificates maturing during the year 1890.			9,008 21
		$1,116,468 33	$1,047,237 00
Deduct from 1888.			
Amount due for taxes from annex.....	$60,000 00		
Cash balance in bank Dec. 31, 1888.....	293,956 00		
Amount due by Bolton property.....	415,000 00		
		768,956 00	
Deduct from 1889.			
Amount due by W. Md. R. R. Co. for January interest.....	41,370 00		
Cash balance in bank Dec. 31, 1889....	372,548 12		
Amout due by Bolton property.....	200,000 00		613,918 12
		$347,512 33	$433,318 88

Increase of 1889 over 1888, $85,806 55.

It will be observed that the amount of temporary loans due various banks is $765,000, including the Bolton Depot property loan. This property has been reduced on the City's books by charging off a sufficient sum to bring it down to $200,000, at which price the Finance Commissioners were directed to lease it to the Permanent Exposition Society. I cannot too strongly deprecate the necessity which the City is under of frequently issuing its promissory notes in order to relieve temporary needs in advance of tax receipts.

While it is true we enter the year 1891 with an asset of back taxes of $1,756,961.81, a proportion of which bears interest sufficient to reimburse the treasury for discounts paid on temporary loans, our financial condition would be proportionately better if we paid no interest on loans at all.

Further, in the matter of carrying the $415,000 Bolton Depot notes, it has been customary heretofore not to pay the notes at maturity, but simply through the courtesy of the holders, to pay the discount and continue the loan for an additional period of four or six months, as the case might be. This may be good financiering in City affairs, but in mercantile life it would not be calculated to inspire confidence, and I know of no acceptable way to treat a note when due but to pay it. The question will of course be asked, how is it to be done? and in answer, it will be proper to call your attention to the fact that we have maturing in July and September, 1890, $7,862,112.47 of 6 per cent. bonds, the annual interest charge on which is

$471,726.72, and we will have available in the sinking fund applicable to these loans about $5,000,000, and in case it becomes desirable to continue the balance, not covered by the sinking fund, say about $3,000,000, at 3½ per cent., the interest charge will be

about	$105,000 00
As against amount now paid	471,726 22
Thus saving the City	$366,726 22

Further, I am in favor of selling any of the unproductive assets of the city, for the purpose of paying its debts, whenever a reasonable price can be obtained, and if this can be accomplished, we may save the whole $471,726.22 now paid for interest. In addition to this, if we can secure a proper high license bill (which I am heartily in favor of, as the only practical manner of dealing with the liquor question), we should realize $500,000 from such a measure, and thus in the course of the next twelve months wipe out temporary loans and all floating debt.

CITY COMPTROLLER.

The report of this Department of the City government is highly interesting, showing, as it does in minute detail, the receipts and expenditures of the corporation during the twelve months ending the 31st December, 1889. It is a voluminous document, full of interest in its comprehensive treatment of the transactions of that Department, and I commend it to your careful attention. It appears by this report that the

City expended during the year, in the maintenance of the several Courts, $132,165.41, while from these same Courts the State received all the surplus income, including licenses, tax on executors and administrators' commissions, &c. The amount so paid the State for the year 1889 is not given, because the State Comptroller's report was not published in time; but for the year 1888 it was $364,446.94, and estimating it to be not less for the year 1889, the gross injustice of the system is apparent, and I would recommend that the matter be called to the attention of our Senators and Representatives at Annapolis, in such manner as your honorable body may deem likely to be most efficacious. The Comptroller calls attention to the sale of a portion of the St. Paul street lot at the northeast abutment of the St. Paul street bridge for $3,100, the balance being very difficult of sale, and the purchase by the Fire Commissioners of another lot for an engine house for $3,400, although they were limited by the resolution authorizing the sale of the St. Paul street lot to the amount obtained for that lot for the purchase of the other. If the purchase for $3,400 meets with your approval, it will be necessary to make an appropriation of the extra $300.

I specially commend that part of the Comptroller's report which shows that purchases by the City are often made at very disadvantageous prices, because "resolutions authorizing and directing the purchase of lots frequently leave no discretionary power to those delegated to act for the City." The remedy would seem

to be never to authorize or require the purchase of any particular lot, but to leave to some competent officials the selection of a suitable lot.

This report also shows the amount expended in the annexed territory to have been $258,277.01, including the amount of $106,086.84 required by the act of annexation to be paid to Baltimore County, while the receipts from the same territory were only $86,256.16.

CITY COLLECTOR'S REPORT OF THE COLLECTION OF TAXES.

An equitable system for the assessing and collection of taxes, upon all classes of property, which should properly be taxed, has for some time back, and is now, engaging the attention of the general public, and no doubt during the present session of the Legislature some effective law upon this subject will be passed—not, however, without full discussion and mature consideration. Upon this subject I may have something further to say later on, and, if so, it will be presented in a special message, in the meantime, however, I respectfully suggest to your honorable body and to the City's representatives in the Legislature, in this connection, that there shall be a hearty co-operation, as I have no doubt there will be, between you; and I shall give my best efforts to the end that the City may secure wise and liberal legislation, so that all property, which should and ought to be taxed, not only will be taxed, but the taxes themselves promptly collected with as little cost as possible.

The Collector himself makes certain suggestions in his report, which, no doubt will receive, as they merit, your due consideration.

His report and accompanying schedules show in detail the amount and sources of his collection of Taxes, and briefly they are summarized as follows:

A.—The amount of taxes collected from all sources during the year, including the 21st and 22d Wards, of which the City's share was...	5,336,850	35
And the share of the State was....	446,539	16
Total.....	$5,783,389	51

B.—Shows among other things the gross amounts received for the opening, closing and widening streets, and for paving these, &c., as follows:

From streets	$159,504	91
From paving.....	82,144	16
From numbering houses, account 1887.....	756	00
And on account of Taxes in arrears	1,338,073	55
And on account of levy of 1889...	3,668,170	73
Total.....	$5,248,649	35

C.—This schedule shows the rate of tax per hundred dollars and the various items of the several levies from 1884 to 1889, inclusive.

D.—Is an exhibit of the monthly receipts on the several levies from 1884 to 1889, inclusive, and also receipts for opening, closing and widening streets, and for paving streets and alleys.

Exhibits E, F, G, H, and I, and Tables 1 and 2 also contain details of the tax collections, which need not be enumerated here, but are respectfully submitted as containing very full information of the work of that Department.

INSPECTOR OF BUILDINGS.

A detailed statement of the operations in this very important Department will be found in the Inspector's Report, to which I invite your attention. He states as the amount expended in 1889, $125,350.89. The net revenue was $6,857.40 as against $5.250.27 in 1888, and calls attention to an increase in the revenue from permits issued by his Department of over six thousand dollars during the last six years, as compared with the previous six years. The Inspector makes suggestions as to improved sanitary appliances in various departments in the City Hall, which merit the consideration of your honorable body. He also suggests improvements in the stairways of the City Hall, and I invite your attention to this subject as one of importance.

The unsafe condition of ceilings in our school-houses hardly needs comment—the imperative necessity for immediate remedy of such defects is apparent to all. The suggestion as to passage of appropriate ordinances in reference to store fronts and bay windows, and the

consequent increase of revenue therefrom, is commendable and well worthy of your attention.

He also calls attention to the necessity of some more stringent building laws, and particularly recommends a special code of such laws, which will probably be presented for your consideration. The subject is important and will require great care on the part of those familiar with it.

The suggestion the Inspector makes, as to abstaining from granting permits for sheds, bay windows, &c. to persons who have not applied to his Department in the usual way, is very timely, and I earnestly request that no more such permits be granted ; the revenue obtained therefrom is small, it is true, but being special privileges they should not be given away without consideration.

Since this Department made its last annual report two new school-houses have been completed, viz : Grammar School No. 2, Broadway and Bank street, and Colored School No. 9, Carrollton and Riggs avenues, and a very handsome addition has been made to Male and Female Primary School No. 11, located on corner Gilmor and Mosher streets, at a cost of $11,254.00, being $746.00 less than the amount appropriated. There are now in course of construction various school buildings, which have been provided for in the $5,000,000 loan, as shown by the Inspector's report.

COMMISSIONERS FOR OPENING STREETS.

The report of the Commissioners for Opening Streets shows the amount of damages awarded by them during the past year to be $710,012 55
Expenses 20,198 35

Total $730,210 90
Of which the benefits assessed upon individual property holders were 246,937 59

Leaving the City to pay $483,273 31

Of this large sum nearly three-fourths ($354,428.79), is for the single item of opening and widening Douglas street, from Aisquith to Holliday.

But these figures, large as they are, do not begin to represent the total cost of that proposed improvement to the City. To them must be added the benefits assessed upon the City Hall, Court House and other City property $11,895 62
Increase of damages and decrease of benefits, allowed on appeals in the City Court, about 12,000 00
The cost of a bridge over the Falls, estimated by the City Commissioner at about 40,000 00
Cost of grading, paving, kerbing, &c., estimated at 7,000 00

Total $70,895 62
Which added to the original amount 354,428 79

Makes this grand sum $425,324 41

But this is not all. To say nothing of the decrease of the taxable basis, caused by the destruction of so much property in a section of the City whose general character and location forbid the hope of its replacement for years to come, there is another serious matter, which does not appear to have been originally discussed in connection with this improvement.

The ground upon the west side of the Falls, at the proposed place of crossing, is three to four feet lower than that upon the eastern side, which will necessitate a considerable elevation of that part of the new street, with a corresponding change of grade in Harrison street and Etna lane, and probably also in Fayette street, thus involving large expense and great damage to adjoining property.

It may therefore be safely assumed that the proposed improvement will not be accomplished without costing the City more than half a million of dollars, to say nothing of the assessments for benefits upon individual property holders amounting to upwards of $100,000 more.

In the present state of the City's finances, any undertaking which involves the expenditure of such a sum of money should be not only of present absolute necessity, but the results should be such as can be secured in no more economical manner.

Now, it is very true that some outlet from the central part of the City, eastwardly, between Fayette and

Gay streets, would be a very great convenience and improvement; but it by no means follows that there is any present necessity for an avenue 70 feet wide from Aisquith street to Gay, with a grand "plaza" 119 feet wide, between Gay and Holliday streets, especially when we consider that the cost of the "plaza" alone will amount to more than $225,000.

Douglas street now runs from Aisquith street, westwardly, and ends in a pocket half way between Chestnut and Exeter streets. It is 49 feet 6 inches wide, being 9 feet 6 inches wider than Lexington street, between Charles and Liberty, and only 6 inches narrower than Charles street, between Mulberry and Baltimore streets. When the immense traffic upon these two streets is considered, and compared with any use likely to be made of Douglas street, there would seem to be no necessity for widening Douglas street along its present length. Nor is there any apparent reason for giving the new portion of the proposed street a width greater than that of your greatest thoroughfare, viz: Baltimore street.

In addition to these objections a glance at the plat shows that the proposed new street has two bends or curves in it, apparently made for the very purpose of rendering it necessary to remove Odd Fellows' Hall and Knapp's Institute; whereas Douglas street extended in a straight line from its present terminus would strike Gay street just north of Pythian Castle.

It is strongly urged by many of our most intelligent citizens, and with apparent correctness, that the desired improvement, (if made by a straight extension of Douglas street and a width of 60 feet, the same as Calvert street to Gay, and then by a width of 45 feet to Holliday street,) can be accomplished at an expense at least a quarter of a million dollars less than by the present plan besides utilizing the necessary bridge over the Falls as an outlet for Low street, which now terminates just at that point; thus benefitting property on that street, and giving direct access to Orleans street.

Another plan suggested is to extend Orleans street by widening Low street, and continuing the same to Gay street. Of course the exact cost of either of these plans is not officially known, but it is very certain that the desired results can be secured in some way at much less cost than by the "plaza" plan.

I therefore earnestly recommend the repeal of the "Ordinance to Widen Douglas Street," &c., approved October 18, 1884.

I would further suggest that, in the present condition of municipal affairs, sufficient temporary relief may be had at a very moderate cost by extending Douglas street, with a width of 60 feet, in a straight line to Front street. This will open up the present Douglas street and its immediate neighborhood, and give convenient access to Gay street on the north and to Fayette street on the south, besides being available as part of any future extension.

If, in addition to this, Forrest street is extended southerly to Fayette street, so as to include as much as possible of the present bed of Half Moon alley, not only will that ugly nuisance be wiped out, but another convenient and natural thoroughfare will be opened to Belair Market and the general neighborhood be much improved.

These improvements, supplemented by the proposed widening of East Baltimore street, which appears to be absolutely necessary, will, I feel sure, afford means of communication satisfactory, at least for the present, to the good citizens of East Baltimore.

The attention of the Councils is also called to the item of $23,777.08 for opening of Barclay street, from North avenue to First street. This sum appears to be very largely in excess of any tendency in the direction of economy for the opening of a street but a single square.

PUBLIC SCHOOLS.

The Public Schools under the charge of the Board of Commissioners during 1889 numbered 142, classified as follows:

1	Baltimore City College	420	pupils
2	Female High Schools	742	"
1	Manual Training School	497	"
39	Grammar Schools	11,990	"
60	Primary Schools	18,728	"
5	English-German Schools	5,030	"
18	Colored Schools	6,577	"
16	Annex Schools	4,866	"
	Number of pupils on the roll at the close of the year	48,850	

The average daily attendance of pupils was 40,014. The whole number in the schools during the year was 63,545. The percentage of attendance in all the schools has been 86 per cent., ranging from 93 in the Female High Schools to 81 in the Annex Schools. It is worthy of note that the attendance of teachers and pupils compares favorably with the public schools in other cities.

The number of teachers is 1,187, two of whom are special teachers of music and five special teachers of drawing.

Total number of	male	teachers	114
"	"	female "	1,073
"	"	male pupils	24,169
"	"	female "	24,681

The average annual increase in number of pupils has been about 1,000, although during the past year the increase was 2,329, being more than double the usual number, which is a gratifying evidence of the increasing confidence of our citizens in the public-school system.

The above facts and figures refer exclusively to day schools, no appropriation having been made by the Council for the expenses of evening schools, consequently none were opened during the past year.

For some years past there has been a large number of children attending our schools whose parents were non-residents of the City, and who paid the special

fees charged for tuition by the ordinance. The present reduction in the number of non-resident pupils and fees is owing to the annexation of that part of the county where many of these pupils resided.

The total amount appropriated by the City for the current expenses of the schools was.....	$849,441 55
And the amount expended was.....	847,873 54
Leaving an unexpended balance of.....	1,568 01

The amount expended by the Inspector of Buildings for the repair of old school houses and the erection of new buildings was $67,847.23.

The attention of the Council is especially directed to the fact that, while our school fund received from the State Treasurer $162,142.09 during the past year, the contribution by the City to the State for the county schools, which arose out of the levy of 10 cents on every $100 worth of taxable property in the City, amounted to about $100,000 more than the city received from the State. This furnishes additional evidence of the manifest injustice as against the City, and in favor of the State, to which your attention is directed in another portion of this message.

The amount which, in the judgment of the Board, will be required for current expenses during the year 1890 will be $955,500, the details of which will be fully explained by reference to the report.

Twelve new school houses will be completed during

the summer, and with the necessary furniture, heating apparatus and the increased number of pupils, renders necessary a considerable increase of our school expenses, and while it is desirable to economize as much as possible, I consider that economy in the matter of public education, is, by far, the most unwise economy which a civilized community can indulge in, and in consideration of the fact that the present annual average salary of our teachers is only $573 and the average cost per capita annually is $17.35 per pupil, I do not think that any charge of extravagance can be reasonably sustained.

It is well to remember that the neglect of any community to adequately provide for the education of its youth, thereby furnishes elements, however remote, for its own destruction.

The attention of previous Councils has been called to the condition and capacity of a number of the school buildings, and information has been furnished that some of them were crowded far beyond their seating capacity and quite a number of houses and halls had been rented for temporary use. Many of the rented buildings are unsuitable for the purpose, being deficient in light, space and ventilation, all very essential elements for health and comfort; and recommendations were made for the purchase of various new buildings, as shown by the report, the appropriations for which are to be taken from the $5,000,000 loan, of which a small portion only has been expended, up to the present,

in consequence of unavoidable delay in selecting desirable lots, and in contracting for the new buildings.

The amount paid for rent during 1889 was equal to the interest at 3½ per cent. on about $240,000, and the better policy of investing that sum in the erection of new and comfortable buildings, rather than pay from eight to ten thousand dollars per annum for old halls, and houses which are unsuitable, will be apparent to every one.

The Board recommends that your honorable body make additional appropriations for three or four new buildings during this year.

An inspection of only a few moments in some of our schools, made by me personally a short time since, was sufficient to convince any one of the reasonableness of these suggestions, as, in at least one instance, I saw three scholars crowded together on one bench, where there was clearly not more than sufficient room for two, thereby interfering with their proper study and convenience.

The report of the School Board, to which I invite your attention, is full of interest, and I commend to your careful consideration and best judgment the suggestions contained therein.

GENERAL SUPERINTENDENT OF LAMPS AND INSPECTOR AND SEALER OF GAS METERS.

The lighting of a great city is a very interesting subject, and I am sure the eleventh annual report of the

department having charge of this branch of the City Government will not prove less interesting than its predecessors.

In the City proper, during the year, one hundred and sixty-seven (167) new gas lamps have been erected, three (3) re-lit, and fifty-four discontinued; electric lights taking their places.

The present number of gas lamps in use is fifty-four hundred and twenty-three (5,423), an increase of one hundred and sixteen (116) for the year. The City has no contract with the Consolidated Gas Company, but pays $1.25 per 1,000 cubic feet for gas used, the rate being regulated by law.

We are now using six hundred and three (603) Arc and sixteen (16) incandescent lights. Nineteen of the Arc lights were erected during the year.

It is proper to state in this connection that the City has no contract for electric lights. The Brush Electric Company furnished these lights from January 1st to June 30th, at the rate of fifty cents per night per light, but since July 1st the rate has been forty cents per night, the Company furnishing all equipments, placing the lamps in position and maintaining the lights.

The gasoline lamps are furnished with fluid burners, and repairs, by contract with John T. Ahern, at a cost to the City of $10.80 each per annum. This contract

will expire on June 30th next, but by Ordinance No. 81, approved May 28th, 1889, advertisements for new proposals must be made before the expiration of the present contract.

The number of gasoline lamps now in use is eight hundred and thirty-six (836), nineteen (19) less than were in use last year. These lamps are erected in small streets, lanes and alleys, and in sections of the City not supplied with gas mains.

The placing of telegraph, telephone and electric light poles in close proximity to some of the City lamps interferes with the proper lighting of our streets, but the department has no authority to check the annoyance.

In the Annex there are now three hundred and ninety-nine (399) gas and five hundred and fifty-two (552) gasoline lamps. Nine of the former and two of the latter were erected during the year.

Your attention is particularly called to the necessity for more lamps in the Annex. The appropriation of last year was exhausted by the first of July. The deficiency for the year amounts to thirty-seven hundred and ninety-three dollars and twenty-three cents, ($3,793.23.)

The City has a contract with Messrs. Carswell & Sons to furnish the gasoline needed in the Annex, and to deliver it at the points fixed upon as supply depots. This contract will expire on June 30th prox. Ad-

vertisements for new proposals must be made according to Ordinance No. 81, approved May 28th, 1889.

To perform the duties of his office in a thorough and efficient manner, the General Superintendent of Lamps, &c., is required to be out of his office most of his time. In his absence the clerk must attend to the inspecting and sealing of meters, the testing of oils, &c. These duties are very important, and can only be intrusted to a competent person. I will therefore recommend that the salary of the clerk be increased to nine hundred dollars per annum, being an increase of two hundred dollars.

STREET CLEANING DEPARTMENT.

The report of the Commissioner of Street Cleaning shows that the amount expended under his supervision during the year 1889 was,

In the City proper		$262,387 79
In the Annex		13,582 19
Total		$275,969 98
The amount of appropriation for the City was	$266,776 00	
Amount of appropriation in the Annex	8,429 76	
		275,205 76
Deficiency		$764 22
This deficiency is occasion by the increase of expenditures in the Annex beyond amount appropriated		$5,152 43
Unexpended balance of the City appropriation		4,388 21
Total		$764 22

The contract for removing garbage from the City was made with M. W. Adams, for which he was paid the sum of $8,000.

The amount of animal and vegetable garbage delivered to contractors at Winan's Cove and Caroline street dump comprised 44,587 loads.

The total number of loads of garbage and ashes collected and removed, from January 1 to December 31, 1889, inclusive, was 252,302
Total number of loads of street dirt, sand, &c., during same period 257,176

Total number of all kinds removed during the year 1889 509,478

The amount of money received for refuse sold from January 1 to December 31 and paid to the Comptroller, was $2,473.68.

The Commissioner calls attention to the great increase of the area of street cleaning, and also to the increased labor thrown upon his department by reason of the streets being torn up in the laying of the conduits, and railway improvements, and he also suggests the rapid growth of the garbage cleaning, and mentions the difficulties of disposing of the refuse.

This question will call for the earnest consideration of your honorable body, and the suggestions of the Commissioner as to means of disposing of garbage may be worthy of your attention.

The attention of the law-making branch of our City Government has been called, frequently, by my predecessors to the anomalous condition of things under which the head of this department is compelled to administer his official functions.

He says, "Experience still further convinces me of the importance of giving the Commissioner the authority of employing the men for service in this department." While he is responsible for the proper performance of the work, he has no power in the selection of the men, a power which is absolutely essential to promote efficiency and enforce strict discipline.

The fact that the former Councils have ignored this request from the Executive, and one of his chief subordinates, leads me to again urge, as a matter of common sense, and good sound business judgment, that the ordinance under which the affairs of the department are now administered be repealed at once, and, in order to facilitate the matter, I hand herewith an ordinance, which I request your honorable body to pass, and thus allow the business of an important department to be conducted in the most business-like manner we can devise.

There are now employed by the City 136 garbage carts, 56 street carts with drivers, 192 drivers, at $18 per week, 125 men as sweepers and scrapers, at $10 each per week.

In the Annex there are 11 garbage carts and 1 street cart, with 3 sweepers and scrapers.

There are 7 superintendents of streets who receive $1,000 per annum.

One superintendent is required to reside in the Annex.

The Commissioner receives a salary of $2,000 per annum.

The estimates of the amount required for the year 1890 are,

City proper	$268,562
Annex	17,284
Making	285,846

To which, with other items in the report, I respectfully direct your attention.

CITY COMMISSIONER'S DEPARTMENT.

This is one of the most important departments of our City government, and has under its charge repairs of streets, construction and repairs of sewers, as well as the construction and repairs of bridges.

The number of miles of streets under the supervision of this department is about 400, not including the streets of the annex, the area of which is quite as large if not larger than the City proper, and which, as yet, is but partially laid out in streets.

In 1889 the appropriation for streets was $70,000, which was about the amount expended, although the

necessity existed then, as it does now, most imperatively, for larger expenditures in the improvement of our thoroughfares, and it is only a question of time when streets which are most largely used should be entirely repaved by belgian blocks or other improved system of paving, rather than the antiquated rubble stone which appeared to meet the requirements of earlier days.

I do not undertake to say that our City is badly paved in comparison with other cities, but it is, nevertheless, a fact that upon very many of our streets the discomfort and danger to which our people are subjected, render it necessary that we should, in the near future, expend considerably larger sums in this department than we have heretofore done.

Provision has been made in the $5,000,000 improvement loan for this purpose, and in the course of time under judicious management, it is reasonable to anticipate that a very decided improvement will be perceptible in this respect.

The Commissioner has from time to time iterated and reiterated the difficulty under which this department labors, by reason of the fact that numerous corporations as well as private individuals, have been enabled at their pleasure to mutilate and tear up our streets without the slightest regard for the City's interest, and greatly at the City's expense, and in entire contravention of the wishes, convenience and rights of our citizens, and it does seem outrageous that

these various corporate bodies, acting under State law, should be permitted to continue to so entirely disregard the interest of the City in prosecuting their enterprises, and I recommend appropriate legislation requiring persons who have thus used our streets, to repave the entire portion of the street, either from kerb to kerb, or from the railroad track to the kerb on the side of the street which they may use, and that the work be done under the direction of our City Commissioner, who shall be clothed with full authority to see that it is done in a proper manner.

The report of the Commissioner gives a detailed summary of the work done in his department during the past year, which consists of paving, repairing of streets, building bridges, construction and repair of sewers and work in the annex, for the particulars of which you are referred thereto. It is replete with interest, furnishing, as it does, valuable information with regard to various works of importance, now in course of construction, as well as such work as has been completed during the year.

Light-street Bridge is in course of construction and the work is being done in a most thorough and substantial manner and, when completed, will amply fulfill all the requirements of travel to, and from the City, and will constitute one of our most creditable improvements. It is a free bridge, the whole cost of the construction of which was "legislated" upon the City, although previous to June 1st, 1888, the cost of main-

tenance of this bridge was equally divided between Anne Arundel county and the City.

Why the necessity for making any change in this particular should ever have appeared to exist, I am unable to say.

New Sewers Required.

The Commissioner calls attention in his report to several new sewers, which will be required for proper drainage in various parts of the City.

I commend the attention of the Council to this matter as one of importance, particularly to the Druid Hill avenue and McMechin street sewer, a plan for which is suggested, and will, I think, relieve that portion of the City and give a much needed improvement.

Annex.

The condition of the roads, bridges, &c., in the Annex is fully described in the Commissioner's report, and various recommendations made for improvements, which, sooner or later, ought to claim your earnest attention.

The Commissioner says: "The new boundary lines on the north and west of the old City limits, ought to be marked by permanently planted stones, instead of the slight sticks, which were stuck in the ground, many of which have disappeared. To do this a competent corps of engineers ought to be organized to lay down

the lines of streets and roads, and to establish grade lines on a general system. * * * * Unless it is done complications may arise entailing frequent and costly litigation. Streets are being laid out at the pleasure or convenience of interested individuals, who are building houses where they please, without regard to the proper grades or lines, and many of them will become pools of standing water when the surrounding streets are building up."

The difficulty of making the absolutely necessary improvements in the Belt, without expending therein largely more than we receive therefrom, is a question hard to solve, and unless some legislative relief is had, we are unable to give them the improvements which are so absolutely needed.

A very large proportion of the revenues from the Annex, is required to pay for the large additional number of policemen appointed under the act of 1888. It would seem that a large amount of this money could be more profitably expended in the improvement of their streets and the increase of their school facilities. I would therefore suggest that the Legislature be requested to provide for such reduction of the police force, as will not leave more than thirty, instead of sixty officers, for duty in the Annex, this would certainly be a considerably larger police force than sufficed for all their wants before annexation.

THE BELT LINE RAILROAD.

This proposed enterprise has been discussed so fully in the public press, and has attracted the attention of all intelligent citizens to such a degree, that any extended reference thereto is unnecessary.

Valuable franchises and privileges are asked at your hands, and the question is, upon what terms and conditions they shall be granted? It must be apparent to the careful observer that there is no question of rapid transit, or any other purely local benefit involved.

No passenger will go to Howard and Lombard streets to take a train for Seventh street, just as no one now goes to Calvert Station for transportation to Pennsylvania avenue. The road is manifestly intended simply to enable the Baltimore and Ohio Railroad to handle its immense through traffic, and by securing better located stations, to enable it to obtain a larger share of the passenger travel.

What special advantages are to accrue to this City, as a consequence of being made more distinctly a way station between the West and New York, does not very clearly appear.

But, the advantages to the Baltimore and Ohio Railroad are very evident, as its large and rapidly growing Eastern traffic is now much hampered and delayed by the necessary ferriage across the Harbor, and relief is imperative.

Now, all our railroads are productive of good, and they are entitled to all reasonable assistance and facilities for the transaction of their business.

But some of these corporations claim and exercise the right, under their charters, of withering the tax basis by buying property *ad libitum* and then having it stricken from our tax books with all its valuable improvements.

They enter into direct competition with our citizens with their warehouses, elevators, &c., they enjoy all the benefits of our fire and police departments, and yet claim to be exempt from any of our municipial burdens, because forsooth, their charters originally provided that their "shares of stock" should be exempt from taxation. Such claims are illogical, unreasonable and unjust, whatever may be their legal status; and, in my judgment, the time has come when the City of Baltimore should refuse any privilege, however small, to any road claiming such exemptions, or any privilege which will directly inure to the benefit of any such road, until all such claims, so far as they relate to municipial taxation upon property located in this City, shall have been, in some appropriate and legal manner, waived and abandoned.

If it is said that this is an unjust discrimination against the Baltimore and Ohio Railroad because the Pennsylvania Railroad has its system of tunnels already secured, I would reply:

First. That the Baltimore and Potomac Railroad does not claim any such exemption.

Second. But even if it did, we should not continue to make mistakes merely because others have been made; we should rather profit by previous examples to take a new departure.

The next privilege to be asked will probably be by the Northern Central Railroad in reference to its North street tracks, and, as it is also one of the exempted roads, the same principle should be applied to any concession it may ask.

But, assuming that the Belt Line is to be built, the cardinal requirements should be:

First. Absolute protection to the property holders by bond or otherwise.

Second. Complete indemnity to the City against any loss or expense, especially in the matter of the North avenue bridge and its approaches.

Third. All smoke outlets to be of sufficient height to relieve the surrounding buildings from annoyance.

Fourth. No open cuts, unless the right is reserved to the Mayor to require them to be covered whenever he may consider the same necessary.

Fifth. Some binding agreement by which the amount at which the company's property shall be assessed, for

purposes of taxation, shall be the actual cost thereof. Otherwise we will find ourselves hampered by the anomolous provisions of the present general law, which provides that bridges and tunnels shall not be assessed higher than the rest of a railroad company's track.

Sixth. Some provision securing, to the Western Maryland Railroad Company, which is virtually owned by the City, the right to the use of the Belt Line tracks, upon terms as favorable as may be extended to any other company.

HARBOR BOARD.

The operations of this Board, which has charge of all matters connected with the Harbor (except collection of wharfage), also of the repair and preservation of all public wharves, and of the maintenance and operation of the City ice-boat, may be briefly stated as follows:

Dredging has been confined to the removal of annual deposits from the Harbor, Docks and Middle Branch. There was excavated and removed during the year 159,639 cubic yards, at an average price of $15\frac{86}{100}$ cents per cubic yard.

The usual annual re-survey of Harbor was made, showing a gradual but continual shoaling in the Basin and Middle Harbor, as well as below Light street bridge. The 24 and 27-foot deep channels, as also the 12 and 15-foot channels in Middle Branch, preserve their depths remarkably well.

During the year Colonel Craighill, in charge of the works of the National Government for the improvement of the Patapsco River, has made very important additions to the ship channels by the widening to 1,000 feet for 27-foot depth of all the angles or "turns," between the lower end near Magothy River and Fort McHenry.

The Harbor Board have, during the year, built 150 cubic yards of masonry in sea-wall at Little Hawkins' Point, laid 247 feet of coping, placed 408 tons of rip-rap at foot of sea-wall, and have on hand 459 feet of coping and 60 cubic yards of stone.

The expenditures, which included repairs of damages to slopes, drains, &c., amounted to $3,430.36.

Work on the stone bulkhead at City Dock was confined to rebuilding about 140 feet on north side of Centre Pier, owing to the existence of unsettled legal questions in regard to ownership of water front on the south side of the Basin, between the draw bridge and Caroline street.

Expenditures were $3,125.29, including payment of a balance due on contract of W. R. Weaver, of 1888, of $844.

Repairs were made to public wharves as follows:

Bowly's, Light and Pratt streets, Montgomery street, foot of Broadway, Quarantine Station. Expenditures were $1,717.53.

The City ice-boat was not required during the year for ice-breaking purposes, was only put in service for two public occasions of ceremony, and for use of the Free Summer Excursion Society, for whom eleven (11) trips were made, carrying from 12,000 to 15,000 persons to and from Chesterwood.

Repairs were made to wheels, decks and machinery, amounting to $2,795.64. Total expenditures were $9,494.74, which includes, for extra expenses on account of the Free Summer Excursion Society, about $1,100.

Recommendations are made for the improvement of the system of lighting at Harbor entrance, for the removal of Foley's wharf, and for repeal of ordinance No. 44 of 1886, relating to award of contracts for dredging.

For more detailed information, I refer to the excellent report of the Engineer of the Harbor Board.

CITY JAIL.

I find from the report of the Board of Visitors of this very necessary institution that there was expended during the year 1889 $52,445.63, and the appropriation for same was $52,460, leaving balance in hands of Comptroller of $14.37.

The earnings of the institution for the year were $2,624.15, an increase over the preceding year of $529.94, and of the total amount of earnings but $124.45 was for prison labor, the United States having

contributed $2,499.70 for the maintenance of Government prisoners. The sum of $121.20 was received from Anne Arundel County for fees.

The Board asks that your honorable body will provide for the year 1890 the sum of $55,000, with which to conduct the institution.

The number of commitments during the year was 11,740, and the daily average of prisoners for the year was 507, an increase of over 1,223 commitments over the year 1888, and an increase of the daily average of 36 for the same period.

The total number of prisoners committed for drunkenness and minor offences was 8,782 ; for the Industrial School for Colored Girls, 5 ; for the House of Correction, 379 ; for the House of Reformation for Colored Boys, 56, and for trial, 2,518.

The sanitary condition of the prison for the past year appears to have been very good, from the fact that, while fifty-one hundred and twenty-two patients were treated, but three deaths occurred. It may be interesting to know that during the same period two births were recorded.

Of the entire number of prisoners received during the year 2,740 were white males, 469 white females, 1,299 colored males, and 614 colored females. In this statement, the philanthropist may indeed find food for reflection as well as the tax payer.

From what I have observed during my visits to the Jail, I am confident that the Board of Visitors and the Warden have done all in their power to make the institution second to none in the country and a credit to the City of Baltimore, and I recommend that the appropriation asked for be granted.

INSPECTOR OF GAS AND ILLUMINATING OILS.

The infrequency of accidents since the passage of the ordinance creating this Department is the most conclusive evidence of the wisdom by which the Councils were guided in framing the law. During the year there were twenty-eight accidents with lamps, of which only two were explosions, the others were the result of carelessness, which caused death in one case.

The Inspector reports the supply of illuminating gas uniform in candle-power, and in quality materially higher than required by law, and states that this information is derived from tests made during the hours when gas is being consumed, so that no question could be raised as to the quality actually being delivered to the citizens. Reference is also made at length in the report to systematic opposition to the annual license for vending oil in small quantities, and I suggest careful reading thereof for more detailed information. Further, the Inspector makes a suggestion as to the repeal of that portion of an ordinance which refers to the quantity of oil to be obtained for testing. It now reads, "A quantity no more than half a pint," which is indefinite, as that quantity, and no less, is required

to make a test. The Inspector makes other suggestions which appear to be entirely worthy of your consideration.

BAYVIEW ASYLUM.

This Institution is one of the necessities of modern civilization, and while we may lament the necessity, we can nevertheless point with pride to the evidences of skill and careful management which have characterized the labors of your Trustees, as shown by their excellent report. It is an Institution around which should be thrown the greatest safeguards, in order to prevent it becoming the simple resort of idle and dissolute characters of our own, or of other communities. Great discrimination may well be used to prevent temporary distress being turned, by unwise treatment, into permanent disease, whilst every effort should be, and, I believe is, used to prevent pauperizing the recipients of charity permanently, in the endeavor to alleviate the want of the time being. Your attention is directed to that portion of the report which has special reference to the crowded condition of the Insane Department, as I am quite clear in the opinion that more adequate provision should be made for this peculiarly helpless class of unfortunates. A personal inspection, during the last few weeks, clearly demonstrated to my mind that this suggestion of the Trustees is timely and well worthy the consideration of your honorable body. There were admitted into the Asylum during the year 2,189 persons, and the inmates, as of December 31, 1889, numbered 1,236—that is to

say, 1,074 white and 162 colored—the average daily number of inmates during the year being 1,068⅓. Of the 2,189 persons admitted last year, 479 claim their nativity in this city, 193 in other parts of Maryland, and the remainder, 541, from other States of the Union.

Of foreign birth there were 994, and 20 whose places of nativity are unknown. I am aware that statistics appear uninteresting, but my reflections lead me to suggest that some consideration as to the best means to enable our city to permit other communities to enjoy the privilege of taking care of their own poor, without saddling them upon the shoulders of Baltimore tax-payers, would be quite timely and appropriate.

The expenses in 1889 were	$81,920 32
From which deduct various receipts, as shown by report	2,752 38
Making net amount drawn from City Treasury	$79,167 94

The Board asks for an appropriation of $85,000 for the current year, which I consider reasonable in view of the recommendations in their report, which I commend to your careful perusal.

WATER DEPARTMENT.

The report of the Water Board shows that the net revenue of the Department for the year 1889, from

water rents, plumbing bills, meter supplies, &c., after deducting $30,698.29, discount on water rents for 1889, was $620,433 04
Water tax 51,587 57

Total $672,020 61

Out of which the current expenses of the Department were met, and in addition thereto, interest on $9,900,000 water stock, amounting to $488,630, was paid. Should these large sums not be raised in this way they would necessarily have to go into the tax levy, so that in no event can we have what is erroniously called "free water."

Reference is had in the report to the propriety of devising some method by which fire insurance companies, which are so directly benefited by, and whose business success depends so largely upon an accessible and abundant flow of water, should be required to contribute in a proportionate degree to its maintenance.

FIRE DEPARTMENT.

The Commissioners' report, to which your attention is directed, is full of interesting information with regard to a most important, as well as necessary department of our City Government.

The aggregate losses in 1889 were estimated at $465,000, as against $1,272,478.82 the preceding year (1888).
The appropriation for 1889 was $232,064 25
The amount expended was 232,063 53

Balance unexpended 72

Amount of special appropiations during the year, $7,313.60.

The Commissioners further report that all the appliances of the department for putting out fires, are of the latest and most approved patterns, and the Fire Department of Baltimore, for its size, has no superior, and the record of its members, in the history of our City, bears gratifying evidence of the efficiency, and gallantry of those who, unhesitatingly, risk their lives in the effort to perform faithfully their duty in the protection of our homes and property.

The members of the Fire Board constitute the only paid commission of our City Government, and my observation leads me to the conclusion that it would not be right to expect any of our citizens to give the necessary time to the proper supervision of this large force of employees, without some compensation for the efficient services which such a commission renders.

The enforcement of proper discipline, in the department, requires constant supervision and careful investigation, and I do not believe that any paid officers of the City render more service, for the amount received, than do the members of this Board.

The Board also calls attention to the absolute necessity for providing a fire boat, to which I have referred elsewhere in this message, as a subject entirely worthy of attention.

FIRE BOAT.

One of our most pressing necessities is some efficient protection to property along our water front, and your attention is requested to the matter of providing a first-class fire boat. We have a water frontage of about five miles, and the property along and adjacent thereto is mostly of a combustible nature, and would easily constitute the beginning of a disastrous conflagration. Experience during the last several years has shown a loss of property along the water front which would each year more than pay the cost of a first-class boat several times. I am advised that such a boat can be built for about $30,000, and I earnestly recommend that consideration be given to supplying the need referred to.

IMPURE MILK.

The necessity for some provision against the sale of impure and adulterated milk is most pressing. Aside from the adulterations practiced by dishonest dealers, Dr. Faville, Chief of the United States Bureau of Animal Industry for Maryland, states that in 163 stables containing 2,161 milk cows they found 229 cows, or a little over 10 per cent., presenting undoubted evidence of tuberculosis, while the percentage of deaths of individuals in the City of Baltimore for the year 1888, from this cause, was nearly 18 per cent. The figures are certainly suggestive and alarming.

DREDGING THE LOWER FALLS.

Both the present Engineer to the Jones' Falls Commission and his predecessor, Charles H. Latrobe, Esq., have called my attention to the absolute necessity of making provision for an annual dredging of Jones' Falls, from its mouth to the Gay street bridge.

As long as the Commission had funds at its disposal it was thought proper to employ a portion of them each year in this work, but as that fund is now nearly exhausted, and what remains, only some $25,000, should be reserved for emergencies. It is urgently recommended that the Harbor Board should be charged with this work, and that a proper appropriation be made therefor.

POST-MORTEM PHYSICIANS AND CITY MORGUE.

I desire to call attention to the fact hitherto apparently unnoticed, that the office of Post-Mortem Physician is one of the most important, from a medical and legal point of view, in the municipal government.

It is the duty of this officer to attend the coroners inquest, make a careful examination of the dead, and testify before the court as to the probable cause of death, testimony which may involve the life or liberty of any one under suspicion, and which may also involve other legal questions of great moment.

To properly discharge the duties of this position a physician of wisdom, exact knowledge and considera-

ble experience in this line of work is needed, whilst the present salary of $500 per year is totally inadequate for the proper remuneration of such an one.

At present two physicians hold this position, one for the Eastern, and one for the Western section of City.

One physician can readily attend to it all, and if but one be appointed, and the pay be doubled, it will be enough to pay a good man something approximating a reasonable compensation.

In this connection I would also respectfully urge on your attention the necessity for a morgue where the unknown dead may be exposed for identification.

The need of such a place has been so often explained that I am sure it is only necessary to call your attention to it in order to secure your earnest consideration to the advisability of making suitable provision for emergencies frequently arising in the life of a great City like ours.

PUBLIC PARKS.

I can suggest nothing more appropriate, than to refer you to the annual report of Mr Charles H. Latrobe, General Superintendent and Engineer, in which, after giving interesting details of the work of caring for the various parks during the past year, he says, substantially: "That any future development of the park system should not look to the increase of

the size of the present parks, but to their multiplication in the thickly built up and squalid portions of the City, where a pretty green spot will be of vital use to the poor, who cannot travel so far as Druid Hill or Patterson Parks." He recommends that the narrow portion of the Lake drive in Druid Hill Park be widened and connected with Mt. Royal avenue direct at the upper gate, by a branch descending the slope to the south of the lake where the ground falls away, thus giving, as he says, a short and more convenient cut to the City, and also an outlet to the private property abutting on the park below the level of the present Lake drive. He shows that about 165,000 persons enjoyed picnics in the park, as against the estimated number of 74,700 the preceding year. While the original park loan will be paid off in September of the present year, and the park, funds relieved of the interest charge thereon, nevertheless, the requirements of the several parks, and pleasure grounds of the people are such, that all the income derived from the so called park tax will be required to keep them in proper order, and any attempt to have the percentage of gross receipts now paid by the several passenger railway companies reduced, should be resisted in the most vigorous manner. Mention is made of this because it is rumored that such an effort is to be made by some of the lines.

FOREIGN INSURANCE COMPANIES.

By the statement of the Treasurer of the Fire Insurance Salvage Corps of Baltimore it appears that, for

the year ending June 30, 1889, our home insurance companies received in premiums..... $317,209 23
Foreign companies received in premiums. 691,305 54

Total..... 1,008,514 77

When we consider that the local companies are subject to full City taxation, while the foreign companies pay no City taxes, the injustice is apparent, and some plan should be devised to reach some portion of the very large net earnings upon business done by these companies in our midst.

GAS AND ELECTRIC LIGHTS.

The Comptroller's report shows, that the cost of electric lights to the City during the past year, was..... $ 98,593 10
and of gas..... 136,258 06

Total..... $234,851 16

Neither of these lights is now being furnished under any contract. The City is paying 40 cents per night for each electric light, and $1.25 per thousand for gas.

This appears to be a very unsatisfactory state of affairs, and it would seem that in consideration of the large number of electric lights, and the great amount of gas used by the City, it ought to be able to secure some more satisfactory terms.

It has been frequently stated of late, and not contradicted, that the fair cost of gas, at the present time,

is about 60 cents per thousand. If this be so, the City and the citizens are now paying more than 100 per cent. profit on all gas used.

If the City derived any benefit from this excessive charge, it might be borne without complaint, but when the only excuse for it is, the immensely inflated debt and capital stock of the company, the burden is very onerous, and it behooves us to look for some measure of relief.

Accordingly, I addressed a note to the President of the Consolidated Gas Company, suggesting that if he would so far modify the Armstrong proposition, about which we have heard so much, as to (1) waive their plant exemption; (2) furnish the City its gas at $1.00 per thousand; (3) pay the City $10,000 during the year 1890, and increase the amount annually by the same sum, and (4) give the City the option of terminating the arrangement at the end of any term of five years, upon giving one years' notice, I believed some satisfactory arrangement could be effected.

The propositions, however, were peremptorily declined, so that nothing is now presented except the naked Armstrong plan, which is, substantially, that if the City will prevent any competition with the present company for 25 years, it will pay over to the City any surplus which *may* arise, after providing for all its indebtedness, and six per cent. dividend on its $11,000,000 of stock, together with 1 per cent. annual contri-

bution to its sinking fund. The effect of such an arrangement would be, probably, to make the gas company's stock worth par at once, while the chance of any benefit accruing to the City is very remote and contingent.

It is stated that the plant of the Consolidated Company can be duplicated for, from $3,000,000 to $5,000,000, while its present stock, and bonded indebtedness amounts to $17,000,000. Unless the company is willing to make some reasonable concession to the City, it would seem that relief can only be had by building works of our own. Even if they should cost $5,000,000, there would seem to be no difficulty in earning interest on the investment, at a rate for gas very much less than $1.25 per thousand.

Of course, there is danger of such municipal works degenerating into political jobbery; but there is no reason why a Gas Board cannot be found as honest, and as capable as our Water Boards have always been, nor is there any reason why the success of the gas department should not be equally as great.

I would, therefore, suggest the procurement of an enabling act from the present Legislature, authorizing the City to borrow $5,000,000, or so much thereof as may be necessary, for the purpose. We would then be in position to protect ourselves, either by procuring reasonable terms from the present company, or, by erecting our own works, and, once for all, settle the question of gas competition and the periodical tearing up of streets.

DISTRAINTS (SO CALLED) FOR TAXES.

Great complaint has been made by many of our citizens in regard to the "pro forma" notices of distraint, which the bailiffs leave upon the premises, and the distraint costs which are thereupon added to the tax bills. I am informed that these costs are entirely illegal; and they certainly are onerous, collected as they are, from the class of citizens least able to bear them.

No taxes upon real estate are now enforced, or collected, by distraint upon personal property, but by sale of the realty itself, so that the only purpose of the distraint proceedings appears to be the multiplication of costs. Now, if these costs enured to the benefit of the City, something might be said in their favor, although, even then, it would be a great hardship to punish the poor man, in this way, for his inability to pay his taxes at the proper time. But, as they are simply divided among the bailiffs, their only benefit seems to be to enable this corps of employees to be retained.

Some bailiffs are necessary, but it would seem that if these distraint proceedings for taxes upon real estate were dispensed with, a much smaller force than the present number (28) would suffice.

I would recommend, therefore, that the Collector be instructed not to make any distraints for taxes upon real estate; that the number of bailiffs be reduced, to

say ten, and that they be allowed the sum of twenty-five cents for each tax bill and notice delivered by them, as required by law, preparatory to a sale; said sum of twenty-five cents to be added to the tax bill.

UNDERGROUD WIRES AND TELEGRAPH POLES.

Great complaint has been made, and very justly, by many of our citizens, in regard to the enormous poles for wires, of various kinds, planted in our side-walks. Aside from the inconvenience to the citizens generally, the net-work of wires, encumbering many of our streets, is particularly dangerous and obstructive to the fire department; to these evils is added the constant danger to life and property from the electric light wires. Other cities have taken steps to rid their streets of these nuisances, by requiring *all* wires to be placed under ground, and it is time that our City was following their example. As the power of the City authorities over the matter is very limited, I would urge that steps be taken to obtain from the present Legislature a law empowering the Mayor and City Council to adopt such measures as may be necessary to accomplish this object. Should this authority be given, no immediate steps need be taken until, the experience of other cities has demonstrated the best plan for placing all wires under ground; but we will then be prepared to act, without waiting two years for another General Assembly.

CITY LIBRARIAN.

This Department has charge of stationery and supplies for the several City offices. Proposals for these supplies are annually advertised for, and contract for same is awarded by the Mayor, Register and Comptroller to the supposed lowest bidder; but, in consequence of the variety of articles required, and the uncertainty of the amounts, it is within the power of bidders to render it very difficult to determine which is the lowest bid, by putting some articles, of which probably very few will be required, at extremely low prices, and others, the number of which will be indefinite, at extremely high figures. To obviate this difficulty, I would suggest that the ordinance be so changed as to require the bids to be made for each specific article and allowing the City officers to accept the lowest bid for each article. This might result in having the supplies come from several sources, and while this might be some inconvenience, it would certainly be in the interest of economy.

Further, there appears to be no reason why the bidding should be confined to those who are both "printers and stationers," nor indeed why it should be confined to any particular class of persons, as in great competition, the City is more likely to have the benefit of low prices.

The Librarian complains of want of room, and it would be well to make some investigation into that matter.

APPEAL TAX COURT.

The report of this Department shows that permits were issued during the past year for 1922 "new" and 534 "additional" improvements, and that the increase in the taxable basis from new buildings and improvements finished during the year was $3,145.660, while the abatements allowed were $230,351, and the new personal assessments, made by the bailiffs, amounted to $3,544,860. The following figures show the increase of the taxable basis for the last five years:

Real and Personal Basis from 1885 *to* 1889.

1885.	Real	$194,416,894	
1885.	Personal	59,496,377	
			$253,913,271
1886.	Real	$197,730,574	
1886.	Personal	58,510,081	
			$256,240,655
1887.	Real	$200,775,614	
1887.	Personal	64,784,338	
			$265,559,952
1888.	Real	$203,752,853	
1888.	Personal	63,763,871	
			$267,516,724
1889.	Real	$206,892,526	
1889.	Personal	65,878,357	
			$270,770,883

COURT ACCOMMODATIONS.

It is scarcely necessary to say, that the present accommodations for the courts and clerks' offices of this city are simply disgraceful. The Orphans' Court, which is

visited largely by the aged and infirm, is located in the third story of the Record building.

It is true there is an elevator which runs part of the way, but it is necessary to ascend one long flight of steps before reaching it. The Record office contains all the land records of this City, and is now so cramped for room that it is, sometimes, a physical impossibility for persons desiring the use of the books to find places in which to open them. The records of the Circuit Court, involving the titles to an immense proportion of the property in this city, are exposed to constant danger from fire, by their location in the old Masonic Temple, on St. Paul street, which, in case of a fire, would prove to be a tinder box.

The accommodations for the Grand Jury, and witnesses attending thereon, are of the most limited and uncomfortable character; while the location of the Criminal Court, and the Grand Jury room, are such as to attract, almost daily, large crowds of idle persons, who fill the rotunda of the court-house to such a degree, as to render access to the upper floor of the building extremely inconvenient and disagreeable.

Circuit Court No. 2 occupies a small rented building, containing a clerk's office on the first floor, an excuse for a court room on the second floor, and a small private room for the judge on the third floor, the building being located on an alley, with a disagreeable entrance.

The jury rooms of all the courts are small, badly ventilated, and are constant causes of complaint to every juror who is so unfortunate as to be compelled to enter one of them. I suggest that an unpaid commission, to consist of one member of the Supreme Bench, to be selected by the bench, two members of the bar, to be selected by the Bar Association, the Inspector of Buildings, and one architect, to be selected by the Mayor, be appointed, with full power and authority to select plans and make such necessary repairs and improvements as are needed, within the limit of such reasonable appropriation as your honorable bodies may see fit to make for that purpose, out of the $5,000,000 loan, in which provision was made to the amount of $150,000 for this purpose; but, it is hoped that the necessary improvements can be made for a considerably less sum.

LAW DEPARTMENT.

The report of this branch of the City business is interesting, and bears no uncertain testimony to the efficiency and absolute faithfulness of the officers in charge of the department.

In this connection it is quite appropriate, and, as well, a great pleasure to me personally, to refer to the distinguished services which have characterized the connection of Mr. Bernard Carter with the Law Department; and, in announcing to you that this able and faithful servant of the City has declined a renomination for the office of City Solicitor, I know that you,

in common with all our citizens, will concur with me, in expressions of sincere regret, that the City will soon lose the benefit of his valuable services.

POLICE BOARD.

My predecessors have frequently called attention to the injustice of requiring the City to expend immense sums in the support of a police force, over which it has no vestige of authority, and it has frequently been urged that the Mayor should be, *ex-officio*, a member of the Board of Police Commissioners.

My own short experience, however, has convinced me that the Mayor occupies too many *ex-officio* positions now, to enable him to give the proper time to the discharge of any additional duties.

The City should, however, have representation upon the Police Board, and I would urge that some effort be made at the present session of the Legislature, to have the law so amended as to provide for the appointment of one member of the Police Board by the Mayor of this City.

HEALTH DEPARTMENT.

The report of this Department is very complete and full of interest, and the statistics furnished fully substantiate the claim made that our City is the healthiest of its size in this country, and its death rate of 17.40 per 1,000 during the past year was as low as any city of its size in the world, and exactly the same as London, England.

The report says: "The power and efficacy of vaccination has again been indicated by the lapse of another year without a case of small-pox in the City," * * * * and in this connection the Commissioner makes some suggestions of more than ordinary importance—indeed the whole report is entirely worthy of serious consideration upon your part, and I urge careful attention to the various points affecting the health and general welfare of the City.

The Cost of this Department for the year 1889 was:

Department proper	$54,508 12
Quarantine Hospital	17,643 12
Annex	3,810 06
Total	75,961 30

Number of deaths, from all causes, during 1889, 8,703, being $17\frac{4}{10}\frac{9}{0}$ per 1,000, as stated above.

The death rate of the white population was 16.06 per 1,000, and that of the colored population was 24.47 per 1,000.

Quarantine Hospital.

The officer in charge of this hospital states the absolute necessity of making various improvements and additions to the institution, in order to promote a greater degree of proficiency, and to enable those in charge to more effectively guard the interests of the City in this important location. He suggests also that a committee from the Council visit the hospital and make personal inspection as to its urgent needs.

NEW ASSESSMENT LAW.

The necessity for a new assessment of property in this City is apparent to all. Besides the injustice growing out of the present inequalities, whereby one piece of property pays taxes at the rate of $1.90, while a similar piece, by reason of the excessive assessment, may be paying at the rate of $3.80. The City Collector informs me that it is absolutely impossible for his department to ascertain what taxes are properly due upon a large proportion of the property in the annex. It is, therefore, hoped that the present Legislature will not fail to give us needed relief in this respect.

ENOCH PRATT LIBRARY.

The popularity of this valuable institution has been fully demonstrated, and the spirit of appreciation, which is evidenced by its many patrons, can hardly fail to be pleasing to the generous donor, who had the ability to make the gift, and, as well, the courage to do so during his lifetime, and be enabled to observe the beneficent results of his generosity. The fund donated by Mr. Pratt, and paid to the Commissioners of Finance, was increased during the year 1888 by the sum of $43,010; and during the year 1889 the increase was $45,472.50, and the whole fund, on December 31, 1889, amounted to $1,051,900. It is believed that by the end of 1892, the fund will have increased to a sufficient amount to yield the $50,000 per annum required to be paid, and the institution will then be

entirely self-supporting. The report of Mr. Walter B. McAtee, the visitor, on the part of the City, shows that he has examined the books and accounts in accordance with the Act of 1882, Chapter 181, and finds the same correct.

McDONOGH SCHOOL.

As the funds of this Institution have been invested in City securities, mostly bearing 6 per cent. interest, some of which have been already redeemed, and others will mature in near future, the trustees have been considering how best to continue to secure a reasonable income from the principal in their hands, and thus prevent the impairment of the efficiency of the school.

I have the following copy of a resolution adopted by the Board of Trustees January 15, 1890.

BALTIMORE, January 15, 1890.

"At a regular meeting of the Board of Trustees of The McDonogh Educational Fund and Institute, held this day, it was on motion of Mr. Keyser:

"Resolved, That the President be requested to confer with his Honor the Mayor, in relation to the maturing loans of the McDonogh Trust Fund, with a view to ascertain if the same can be continued at the same rate of interest, or, if not, whether his Honor the Mayor would recommend to the Council in his 'Annual Message' the passage of an ordinance relieving the Trust Fund from the obligation to invest in the City or State securities as at present provided."

To continue these securities at the same rates of interest, will be, virtually, to make an extra yearly appropriation for the benefit of this Institution. Whether this is advisable, or whether the most excellent Board of Trustees should be permitted to invest the funds, in any securities that they may deem proper, is a matter well worthy your consideration.

ST. MARY'S INDUSTRIAL SCHOOL

Reports now in the institution 419 boys, who have careful training under the supervision of competent teachers, special care being taken in the cultivation of moral habits and intellectual development.

HOUSE OF REFORMATION FOR COLORED BOYS.

This report shows that there have been received into the institution 1,407 boys since its opening, January 1, 1873. Of this number there remained on the 30th

November, 1887	253
Received since November 30, 1887	187
Total number in the House during period from November 30, 1887, to November 30, 1889	440
Returned to care of parents and others during the period from November 30, 1887, to November 30, 1889	161
Died during the same period	9
	170
Remaining in the House November 30, 1889	270

A full and comprehensive report of its operations during the year is replete with information, and it is gratifying to note active interest in its work and management upon the part of our esteemed fellow citizen Mr. Enoch Pratt.

CITY CODE.

The last codification of Ordinances and Resolutions of the Mayor and City Council was made in 1879, with a supplement in 1885. As there have been numerous changes since this last date, the difficulty of finding out the present state of the City law is apparent, especially to those officers of the city who are not lawyers.

I would therefore recommend that some competent person be authorized to prepare an additional supplement to the City Code, including all the Ordinances and Resolutions from 1885, to the present session.

INVESTIGATING COMMISSION.

The Commission recently appointed to investigate the expenses of the several City departments, has been actively engaged, ever since their appointment, in the performance of the onerous duties devolved upon them, and it is believed that their report will soon be forthcoming.

CONCLUSION.

In conclusion, permit me to say, that it will give me great pleasure to co-operate with you in all measures relating to the prosperity of our City, and especially in such measures of judicious economy as may tend to give some relief to the overburdened tax-payers.

Respectfully submitted,

ROBERT C. DAVIDSON,

Mayor.

ANNUAL REPORT

—OF THE—

CITY COLLECTOR

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1889.

REPORT.

BALTIMORE, January, 1890.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

I have the honor to submit for your inspection and consideration the operations of this Department for the fiscal year ending December 31st, in the first twenty Wards of the City, supplemented by the additional statement of its operations in the new (21st and 22d) Wards.

The amount of money received from all sources during the year was $5,672,320.21.

On the levy of 1885—present basis $249,198,435—the total collections amounted to $99\frac{99}{100}$ per cent.

On the levy of 1886—present basis $251,703,914—the total collections amount to $99\frac{93}{100}$ per cent.

On the levy of 1887—present basis $261,128,946—the total collections amount to $99\frac{29}{100}$ per cent.

On the levy of 1888—present basis $264,070,115—the total collections amount to $95\frac{01}{100}$ per cent.

On the levy of 1889—present basis $272,770,883—the total collections from May to December 31st, inclusive, amount to $70\frac{78}{100}$ per cent. Deducting amount of plant exempt from City taxation, the percentage collected amounts to $71\frac{37}{100}$ per cent.

Table A shows the monthly collections of both City and State taxes for the fiscal year, amounting to $5,672,320.21. Of this sum the City's proportion was $5,248,649.35, and that of the State $423,670.86.

Table B shows the basis of the several levies on which collections have been made during the past year, with the amounts collected on each levy; also the gross amounts received for opening, closing and widening streets, for paving streets, &c.

By this table it will be seen that there has been collected—

On account of taxes in arrears	$1,338,073 55
On account of levy of 1889	3,668,170 73
For opening, closing and widening streets	159,504 91
For paving	82,144 16
For numbering houses, account of 1887	756 00
Total	$5,248,649 35

Table C shows the rate of tax per one hundred dollars, and the various items of the several levies from 1884 to 1889 inclusive.

Table D is an exhibit of the monthly receipts on the several levies from 1884 to 1889 inclusive ; also receipts for opening, closing and widening streets, and for paving streets and alleys.

Table E exhibits the amounts collected during the past year in accordance with the rates stated in table C, divided into separate items forming each levy; also the amount of interest received from accounts in arrears, and the amount of discount allowed for the prompt payment of current taxes.

Table F shows the bases, the basis collected upon within each year, on levies of the years 1883 to 1889 inclusive to December 31st of each year; also the levy of 1889 from date of levy to December 31st, 1889, and on the levy of 1888 to December 31st, 1889.

Table G shows the percentage collected monthly from January 1st, 1889 to May, 1889, on the levy of 1888, and on the levy 1889, to December 31st, 1889, inclusive.

Table H shows the receipts for opening, closing and widening streets and alleys during the year, amounting to $159,504.91.

Table I gives a detailed account of receipts for paving streets and alleys during the year, amounting to $82,144.16.

Tables 1 and 2 are an exhibit of the bases collected upon and the amount of taxes collected from the 21st and 22d Wards.

It will be seen by these exhibits that the total amount of taxes collected during the year from the whole city, including the 21st and 22d Wards, amounts to $5,783,389.51, of which the City's proportion is $5,336,850.35 and the State's $446,539.16. These collections somewhat exceed the estimates made by the Ways and Means Committee, and may be considered fairly gratifying.

Referring to my report of January 1st, 1889, I beg to reiterate what I there stated in regard to additional room and an increase of clerical force in this department.

Since that report, by the authority of the Mayor and City Council, two additional ledger clerks have been appointed for the Annex Ledgers, but no provision has been made to meet the additional burdens thrown upon the cashiers and book-keepers.

I recommend the appointment of one more book-keeper and another cashier.

I think it but proper that I should make some special allusion to the difficulties we have encountered in collecting taxes in the 21st and 22d wards. It was arranged that the assessments in these wards were to be returned to this department from the books in possession of the County Commissioners of Baltimore County, but the data furnished us were exceedingly imperfect and unreliable: nevertheless, by detailing from this office a competent clerk to work up the details

from the books at Towson, and aided by the intelligent and cordial co-operation of the taxpayers themselves, I think we have accomplished quite as much, or more, than could have been reasonably expected.

I assume that the Legislature will order a new assessment this year, which will probably increase the number of ledgers in the department twenty-five per cent., and thus make it *absolutely necessary* that we should have enlarged quarters, as we are already inconveniently crowded. Your immediate attention to this matter is earnestly solicited.

In conclusion, I beg leave to return my hearty thanks to the officers connected with this department, for their uniform politeness and cordial co-operation in transacting business, and generally to the gentlemen connected with the City and State Government, with whom I have been more or less associated.

All of which is respectfully submitted.

I have the honor to be,

Your obedient servant,

LEWIS N. HOPKINS,

Collector.

TABLES.

TABLE A.

Total City and State Taxes received from January 1st, 1889, to December 30th, 1889, inclusive.

1889.	CITY.	STATE.	TOTAL.
January.....	$820,714 53	$65,156 24	$885,870 77
February	104,060 12	9,697 04	113,757 16
March	41,173 45	3,232 03	44,405 48
April.....	52,382 09	3,600 51	55,982 60
May	1,448,190 18	89,874 81	1,538,064 99
June	1,251,490 48	98,242 85	1,349,733 33
July	250,633 97	18,761 00	269,394 97
August.....	177,702 96	34,799 25	212,502 21
September...	160,343 70	15,970 96	176,314 66
October.....	242,714 34	22,141 77	264,856 11
November ...	179,308 13	43,343 90	222,652 03
December ...	519,935 40	18,850 50	538,785 90
	$5,248,649 35	$423,670 86	$672,320 21

TABLE B.

Recapitulation of Taxes collected from January 1st, 1889, to December 31st, 1889.

	Basis.	Rate per $100.	Tax.	Discount.	Net Cash.	Interest.	Total, including Interest and Discount.
1884.							
Personal.	$ 23,470	160	$ 369 92	.....	$ 369 92	$ 84 59	$ 454 51
1885.							
Real	60,482	160	967 71	.....	967 71	182 50	1,150 21
Personal.	53,016	160	880 26	.....	880 26	172 46	1,052 72
1886.							
Real	874,650	170	14,869 03	.....	14,869 03	1,939 99	16,809 02
Personal.	137,200	170	2,332 37	.....	2,332 37	310 07	2,642 44
1887.							
Real	8,035,629	160	128,570 04	.....	128,570 04	10,914 30	139,484 34
Personal.	756,974	160	12,111 57	.....	12,111 57	1,019 60	13,131 17
1888.							
Real	53,629,899	190	1,018,968 02	.....	1,018,968 02	9,858 82	1,028,826 84
Personal.	7,046,199	190	133,877 75	.....	133,877 75	644 55	134,522 30
	$70,619,519				$1,312,946 67	$25,126 88	$1,338,073 55

1889.								
Real	$140,846,933	190	$2,676,091 96	$57,076 66	$2,619,015 03	.....	$2,676,091 69
Personal.	52,214,688	190	992,079 04	52,270 63	939,808 41	.....	992,079 04
	$193,061,621			$109,347 29	$4,871,770 11	$25,126 88	$5,006,244 28
	263,681,140						

Opening, widening and closing streets and alleys	159,504 91
Paving streets and alleys....	82,144 16
New numbers.....	756 00
	$5,248,649 35

TABLE C.

Rate of Tax per Hundred Dollars.

	1884	1885	1886	1887	1888	1889
Police Department	26	24	28	27	27	27
Certain Expenses	9	9	9	8	9	10
Public Schools	19	23	23	23	24	23
City Poor	7	9	8	9	9	8
City Direct	64	61	69	56	66	79
Miscellaneous Stock	31	27	27	27	40	35
Opening Streets	1	5	4	8	13	5
Water Tax	3	2	2	2	2	2
Water 1926 Sinking Fund	....	....	....	....	....	½
Internal Improvem't 1928 Sinking Fund	....	....	....	....	....	½
	1.60	1.60	1.70	1.60	1.90	1.90

TABLE D.

Monthly Receipt of Taxes on the several Levies from 1884 *to* 1889 *inclusive, for Opening and Closing Streets and Alleys, and for Paving Streets and Alleys, from January* 1*st*, 1889, *to December* 31*st*, 1889.

	Numbers.	1884.	1885.	1886.	1887.	1888.	1889.	Opening streets	Paving streets.	Total.
January	$227 75	$ 14 28	$970 91	$10,333 99	$43,983 32	$752,934 67	.....	$ 4,314 10	$ 7,935 51	$ 820,714 53
February	55 00	.....	121 44	1,633 27	10,227 77	90,769 03	.....	856 59	397 02	104,060 12
March	29 00	.....	167 18	1,759 83	4,999 78	26,973 68	.....	1,042 60	6,201 38	41,173 45
April	26 50	86 37	424 19	1,140 12	5,121 70	32,594 96	.....	2,777 40	10,210 85	52,382 09
May	45 75	.....	31 41	423 51	7,423 83	33,139 56	$1,374,533 82	20,066 41	12,525 89	1,448,190 18
June	25 00	.....	245 25	490 75	5,841 83	29,527 46	1,130,760 46	65,467 37	19,132 36	1,251,490 48
July	57 25	.....	.....	231 68	11,054 78	39,018 25	153,665 53	41,178 87	5,427 61	250,633 97
August	27 75	.....	.....	1,045 94	5,599 34	33,643 40	124,022 06	12,400 30	964 17	177,702 96
September	67 50	.....	.....	861 61	11,372 96	32,245 08	106,445 80	1,473 98	7,876 77	160,343 70
October	61 00	.....	88 65	879 44	11,408 78	33,263 37	184,106 31	6,151 40	6,755 39	242,714 34
November	66 50	353 86	153 90	479 04	14,410 61	22,435 77	137,100 44	633 79	3,674 22	179,308 13
December	67 00	.....	.....	172 28	21,170 81	36,803 91	457,536 31	3,142 10	1,042 10	519,935 40
	$756 00	$454 51	$2,202 93	$19,451 46	$152,615 51	$1,163,349 14	$3,668,170 73	$159,504 91	$82,144 16	$5,248,649 35

TABLE E.

Division of Taxes received from January 1, 1889, to December 31, 1889.

	1884.	1885.	1886.	1887.	1888.	1889.	Total.
Police Department	$ 59 90	$277 19	$2,833 15	$23,740 02	$163,825 45	$505,727 56	$696,463 27
Certain Expenses	20 01	103 96	910 67	7,034 10	54,608 45	189,306 51	249,983 70
Public Schools	43 48	265 62	2,327 25	20,222 96	145,622 64	430,804 94	599,286 89
City Poor	15 86	103 96	809 47	7,913 33	54,608 45	149,845 20	213,296 27
City Direct	149 09	704 54	6,981 77	49,238 58	400,462 25	1,479,721 31	1,937,257 54
Miscellaneous Stock	72 20	311 85	2,732 00	23,740 02	242,704 40	655,572 74	925,133 21
Opening Streets	2 34	57 74	404 73	7,034 10	78,878 89	93,653 22	180,031 02
Water Tax	7 04	23 11	202 36	1,758 50	12,135 24	37,461 32	51,587 57
Water 1926 Sinking Fund						9,365 32	9,365 32
Internal Improvement 1928 Sinking Fund						9,365 32	9,365 32
	$369 92	$1,847 97	$17,201 40	$140,681 61	$1,152,845 77	$3,558,823 44	$4,871,770 11
Interest	84 59	354 96	2,250 06	11,933 90	10,503 37		25,126 88
Discount						109,347 29	109,347 29
	$454 51	$2,202 93	$19,451 46	$152,615 51	$1,163,349 14	$3,668,170 73	$5,006,244 28
Opening, Widening and Closing Streets and Alleys							159,504 91
Paving Streets and Alleys							82,144 16
New Numbers							756 00
							$5,248,649 35

TABLE F.

Of percentage collected within the year on Levy of 1883 to 1888, to December 31st, 1888; also on Levy of 1889, from date of Levy to December 31st, 1889; also on Basis of 1888, to Dec. 31st, 1889.

YEAR.	BASIS.	BASIS COLLECTED UPON.	PER CENT.
1883	248,803,232	177,734,776	71.43
1884	249,651,699	179,065,070	71.73
1885	253,913,271	185,235,624	72.95
1886	256,240,655	187,918,451	73.33
1887	265,559,952	195,733,826	73.71
1888	267,516,724	190,212,983	71.10
1889 to Dec. 31, 1889.	272,770,883	193,061,621	70.78
1888 to Dec. 31, 1889.	264,070,115	250,889,081	95.01

TABLE G.

Showing the Percentage collected monthly from January 1, 1889, to May, 1889, on Levy of 1888; and on Levy of 1889 from May, 1889, to December 31, 1889, inclusive.

BASIS.	MONTHS.	BASIS COLLECTED UPON	PER CENT.
1888. $264,070,115.....	January	$ 39,628,141	15.01
	February ...	4,753,550	1.80
	March.....	1,405,612	.53
	April.....	1,690,173	.64
1889. $272,770,883.....	May.....	$ 72,343,886	26.52
	June.....	59,513,709	21.82
	July.....	8,087,660	2.97
	August.....	6,527,477	2 39
	September...	5,602,411	2.05
	October.....	9,689,806	3.55
	November ...	7,215,813	2.65
	December	24,080,859	8.83
		$193,061,621	70.78

Basis, December 31, 1889....		$272,770,883
Less Plant exemption.....	$1,511,726	
Less Plant Gas Companies....	602,780	
		2,114,506
		$270,656,377

Amount collected on $193,061,621, equal to 71.37 per cent.

TABLE H.

Summary of Receipts for Opening and Closing Streets and Alleys, from January 1st, 1889, to December 31st, 1889, inclusive.

Opening	Cannon street	$ 2,766 60
"	Calhoun street	3,347 37
"	Federal street	16,927 85
"	Nanticoke street	1,320 70
"	Carroll street	446 25
"	Burke street	3,922 39
"	Dallas street	522 50
"	Payson street	31,810 54
"	Chester street	1,118 16
"	Lanvale street	2,393 86
"	Exeter street	283 23
"	Mulberry street	5,978 21
"	Pulaski street	8,435 33
"	Etting street	1,286 22
"	Broadway	367 37
"	Beason street	1,400 50
"	Beverlin street	1,866 14
"	Oliver street	1,284 06
"	Clement street	2,148 82
"	Stockholm street	330 00
"	West street	446 00
"	Mosher street	177 50
"	Saratoga street	4,982 75
"	Towson street	5,673 25
"	Towsend street	2,369 09
"	Carey street	1,341 65
"	Clemm street	3,517 00
"	Andrew street	8,510 00
"	Mount street	2,666 00
"	Richardson street	394 62
"	Scott street	14 50
"	Patterson Park avenue	22,387 87
"	Carrollton avenue	819 46
"	Harlem avenue	5,314 50
"	Collington avenue	7,205 55
"	Fairmount avenue	12 37
"	Race street	50 75
Closing	Butcher lane	2,255 03
"	Philadelphia road	3,410 92
		$159,504 91

TABLE I.

Summary of Receipts for Paying Streets and Alleys, from January 1st, 1889, to December 31st, 1889, inclusive.

Paving Gold street	$ 222	67
" Gay street	1,015	91
" Liberty street	88	02
" Holbrook street	4,533	65
" Ostend street	2,730	71
" Lanvale street	538	13
" Wolfe street	12,867	54
" Orleans street	2,042	90
" Hoffman street	52	89
" McHenry street	10	64
" Bond street	1,230	05
" Hanover street	685	12
" East Biddle street	13,945	38
" German street	123	87
" Federal street	599	99
" Broadway	229	68
" Townsend street	653	82
" Chester street	40	63
" Cannon street	9,125	96
" North avenue	7,093	09
" Edmundson avenue	729	61
" Wilkins' avenue	2,197	05
" Patterson Park avenue	4,922	20
" Fulton avenue	14,717	46
" Box alley	93	51
	$80,490	48
Interest on paving	1,653	68
	$82,144	16

ANNEX.

TABLE 1.

Total City and State Taxes received from May 30th, 1889, to Dec. 31st, 1889.

1889.	City.	State.	Total.
May	$ 9,859 68	.....	$ 9,859 68
June	20,640 11	$5,612 74	26,252 85
July	23,887 27	6,634 01	30,521 28
August	4,741 57	1,993 76	6,735 33
September	4,099 09	1,258 61	5,357 70
October	4,689 50	1,436 80	6,126 30
November	6,622 35	1,890 87	8,513 22
December	13,661 43	4,041 51	17,702 94
	$88,201 00	$22,868 30	$111,069 80

TABLE 2.

Taxes collected from May 30th, 1889, to December 31st, 1889.

1889.	Basis.	Rate.	Tax.	Discount.	Net Tax.	Total.
Real	12,258,243	60	$73,549 43	$1,205 55	$72,343 88	$73,549 43
Personal	2,441,930	....	14,651 57	739 29	13,912 28	14,651 57
	14,700,173		$88,201 00	$1,944 84	$86,256 16	$88,201 00

ANNUAL REPORTS

— OF THE —

Register of the City

— AND OF THE —

COMMISSIONERS OF FINANCE

— TO THE —

Members of the First and Second Branches

— OF THE —

CITY COUNCIL OF BALTIMORE,

For the Fiscal Year Ending December 31, 1889.

REPORT OF

JOHN A. ROBB,

REGISTER OF THE CITY.

REGISTER'S REPORT.

OFFICE OF THE REGISTER OF THE CITY,

BALTIMORE, January 2, 1890.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

Your Register presents "his account of all moneys received and expended by him during the past year;" a "statement of the estimated receipts and payments required for the coming year;" also, tables showing the funded and guaranteed debt of the City as of December 31, 1889, the productive and interest-bearing securities of the City, the unproductive securities, and the monthly returns of the "Keepers of the Standards of Weights and Measures," the latter required by Ordinance No. 9, of 1881.

There was received into the treasury from all sources, during the fiscal year ending December 31, 1889, as shown in tables D and E. the amount of..	$10,497,568 35
To which add cash balance, December 31, 1888.....	293,956 00
Showing the total amount to be accounted for....	$10,791,524 35

The disbursements in the same tables and for the same periods aggregate.....	10,418,976 23
Leaving a cash balance in Bank applicable to the payment of interest on the public debt due January 1, 1890, of.....	372,548 12
Total.....	$10,791,524 35

The following usual statement of the actual receipts and expenses of the City Government, compiled from Table D, separate the income and expenses from those items which are merely receipts and disbursements:

RECEIPTS—INCOME FROM TAXES, INVESTMENTS, &C.

From	City Collector, levy of 1889.....	$3,668,170 73	
"	City Collector, levies of previous years.	1,338,073 55	
			$5,006,244 28
"	public schools, tuition fees, and J. F. Plummer.....		3,575 80
"	Magistrates' fines, Jail and removed cases.....		8,943 56
"	Bayview Asylum, Mount Hope, and Maryland Hospital.....		8,907 38
"	Health Department.....		7,300 77
"	Fire Department.....		502 25
"	permits for signs, sheds, &c.....		8,492 26
Amount carried forward.....			$5,043,966 30

Amount brought forward		$5,043,966 30
"	vaults and areas	909 89
"	City Commissioner	5,396 79
"	Inspector and Sealer of Gas Meters	2,675 69
"	market houses, rents of stalls and halls	56,457 15
"	wharfage and rent of wharves.	25,292 64
"	dog pound	436 80
"	general licenses	46,015 07
"	auction duties	5,340 90
"	turnpike dividends	305 65
"	sale of city property	3,700 00
"	Chesapeake and Potomac Telephone Company	1,500 00
"	aggregate of sundry small items.	1,215 32
"	Treasurer of Baltimore county, taxes 21st and 22d Wards	52,196 45
"	City Collector, interest on taxes 21st and 22d Wards	1,944 84
"	City Collector, taxes 21st and 22d Wards	86,256 16
	Total income	$5,333,609 65

RECEIPTS—NOT INCOME.

From Baltimore and Ohio Railroad Company and Five Million Loan Sinking Fund, to pay interest on Five Million Loan	$	300,000 00
" State of Maryland for Public Schools		162,142 09
" City Passenger Railway Companies, for Park Sinking Fund.		21,148 07
" City Passenger Railway Companies, for Park Board		125,926 29
" Park Board, sales of live stock, &c		4,240 62
" Water Board, to pay interest on Water Loans		488,630 00
" Park Board, to pay interest on Park Loans		41,333 96
" Western Maryland Railroad Company, to pay interest on 3½ and 4 per cent. Loans		41,370 00
" unclaimed damages for opening streets		827 00
" tax sales		2,638 34
" Water Board		820,253 15
" sale of 1926 Water Loan		218,000 00
" temporary loans from Banks		2,146,000 00
" State tax on City loans collected for State of Maryland		21,306 06
Amount carried forward	$	9,727,425 23

Amount brought forward	$ 9,727,425 23
From sale of Internal improvement 1928 Loan	515,000 00
" City Collector, opening and cleaning streets and alleys	159,504 91
" City Collector, paving streets and alleys	82,144 16
" City Collector, new numbers	756 00
" sales of materials for opening streets	12,748 05
Total receipts	$10,497,578 35

DISBURSEMENTS—EXPENSES OF CITY GOVERNMENT.

Interest on stock debt	$1,001,247 40
Expenses of the law courts	135,190 41
Registration of voters	65,138 86
City Jail	52,445 63
Magistrates, judgments and suits, fines, coroners and removed cases	31,850 38
Public schools, less amount paid by State of Maryland	619,759 32
Expenses of City poor	226,543 34
Harbor Commission	57,106 15
Police Department	779,941 88
Health Department	79,776 24
Department of Street Cleaning	262,721 12
Fire Department	239,369 33
Amount carried forward	$3,551,090 06

Amount brought forward	$3,551,090 06
Department Inspector of Buildings	94,201 95
" City Commissioner	129,137 63
" General Superintendent of Lamps	250,631 29
City Council—salaries of members and officers and expenses	56,935 55
Expenses of parks and squares, exclusive of Patterson and Druid Hill Parks	41,519 43
Expenses of markets and halls	5,177 93
Harbor Masters' commission for collecting wharfage	6,781 11
Salaries	72,241 27
City Library—printing and stationery for departments	7,499 02
Public printing	981 18
Discount on taxes and temporary loans	139,409 07
Heating and general care of City Hall	16,915 95
Mayoralty, contingent fund	1,815 06
Lamplighters' salaries	46,514 00
Special appropriations	2,852 30
Ground rents on City property	3,697 84
Salaries and expenses of City Collector's department	52,246 02
Elections	7,690 93
Supervisors of Elections	5,567 62
Dog pound	1,000 00
Maryland Institute School of Design	6,000 00
Amount carried forward	$4,449,905 21

Amount brought forward	$ 4,499,905	21
General Licenses	1,380	60
Refunded taxes	2,005	81
Building new ice-boat "Annapolis"	60,000	00
Enoch Pratt Free Library	50,000	00
Ice-boat "Maryland," maintenance	10,000	00
Surveying and platting 21st and 22d Wards	4,361	90
State tax on City loans	11,965	42
New bell for City Hall	2,943	00
City's proportion for opening and closing streets	197,012	18
City's proportion for paving streets	1,163	27
General expense	1,155	57
General care of Court houses	10,097	82
Water 1926 Loan sinking fund	9,365	32
Internal improvement 1928 Loan sinking fund	9,365	32
Insurance of Bay View Asylum	1,295	00
Aggregate of small charges	2,893	22
Expenditures in 21st and 22d Wards	251,434	94
	$5,126,344	58

DISBURSEMENTS—NOT EXPENSES.

Interest on Five Million Loan for Baltimore and Ohio Railroad Company	300,000	00
Interest on Water Loans for Water Board	488,630	00
Interest on Park Loans for Park Board	41,333	96
Interest on Western Maryland Railroad Company for 3½ and 4 per cent. Loans	41,370	00
Amount carried forward	$5,997,678	54

Amount brought forward		$ 5,997,678 54
Park Sinking Fund from City Passenger Railway Companies		21,148 07
Improvement of Jones' Falls		60,719 17
Improvement of Harford Run		19,985 90
Druid Hill and Patterson Park		122,889 37
Unclaimed damages for opening streets		765 00
Tax sales		9,491 75
Water Board		874,095 33
Water Loan 1926		263,115 91
Temporary Loans		2,296,000 00
State tax on City Loans		21,306 06
Internal Improvement Loan 1928	$15,000 00	
Internal Improvement Loan for Patterson Park Extension	14,252 46	
Internal Improvement Loan for purchase of lots for schools and building schools	109,164 28	
Internal Improvement Loan for sewers	138,940 36	
Internal Improvement Loan for rebuilding Light street bridge	7,375 22	
Internal Improvement Loan for repairing Wilkens' avenue bridge	5,965 34	
Amounts carried forward	$290,697 66	$9,687,195 10

Amounts brought forward...	$290,697 66	$9,687,195 10
Internal Improvement Loan for building Cedar avenue bridge	682 07	
Internal Improvement Loan for building Boston street bridge	132 57	
		291,512 30
Opening and closing streets		185,756 10
Paving streets and alleys		92,370 64
Public Schools from State of Maryland		162,142 09
Total disbursements		$10,418,976 23

ESTIMATES FOR THE CURRENT YEAR.

Statement B will show in detail the estimated requirements for the current year for the twenty Wards of the city to be	$5,354,909 09
And for the 21st and 22d Wards	152,047 78
	5,506,956 87
From which deduct the receipts from taxes in arrears and other specified sources, as detailed in Table D	1,616,900 00
Leaves the sum to be levied for	$3,890,056 87
The estimates of this department for the year 1889 were	$4,138,755 83

A decrease of $248,698 96.

FUNDED AND GUARANTEED DEBT.

The funded and guaranteed debt of the city as per Statement A, as of December 31, 1889, is	$37,730,107 70
December 31, 1888, it was	37,030,537 70
An increase during the year of	$699,570 00

And is thus accounted for:

By an issue of $200,000 of 4 per cent. Water Stock authorized by authority of Ordinance No. 82, of 1886, which was sold after due advertisement, realizing a premium of $18,000, which was paid to the Commissioners of Finance as required by ordinance, and an issue of $500,000 in virtue of Ordinance No. 98, of 1887, authorizing the issue of $5,000,000 for works of internal improvement, bearing interest at 3½ per cent. per annum, payable July 1, 1928. This stock was sold by the Commissioners of Finance at public sale, at a premium of $15,000, which was placed

to the credit of the Sinking Fund for redemption of this loan. From these two issues, aggregating.....		$700,000 00
Deduct certificates of one million loan, redeemed...	$400 00	
And Western Maryland Railroad Scrip, redeemed.....	30 00	
		$430 00
		$699,570 00

FIVE MILLION LOAN.

The five million loan to the Baltimore and Ohio Railroad Company becoming, by its terms, due on January 1, 1890, I commenced in November, 1889, as required by ordinance creating this loan and sinking fund, to dispose of the several loans of the city held in the fund, amounting to $1,553,500, and received for the same $1,723,454.26, which I paid to the Commissioners of Finance December 30, 1889. In addition to the amount of $1,553,500 mentioned above, this fund held $847,300 of the five million loan.

I respectfully refer you to the report of the Commissioners of Finance for the conditions of the various sinking funds under their charge and belonging to the city, and also to the accompanying tables:

Table A is a statement of the public debt of the city.

Table B is an estimate of requirements for the current fiscal year.

Table C is an estimate of receipts for the current fiscal year.

Table D is a detailed statement of the receipts and disbursements, and showing the appropriations for the various accounts.

Table E shows the aggregate monthly receipts and disbursements.

Table F shows the monthly returns from the "keepers of the standards of weights and measures."

Respectfully submitted,

JOHN A. ROBB,

Register of the City.

STATEMENT A.

Statement of the Funded Debt, December 31, 1889.

LOAN.	RATE.	WHEN REDEEMABLE.	AMOUNT.
Consolidated	6 per cent.	At pleasure after July 1, 1890	$7,306,546 22
Public Park	6 "	" " Sept. 1, 1890	555,566 25
Exempt	6 "	" " Sept. 1, 1893	410,353 87
Water	6 "	" " July 1, 1894	263,000 00
"	5 "	" " July 1, 1894	3,737,000 00
"	5 "	" " July 1, 1916	5,000,000 00
"	4 "	" " Nov. 1, 1922	500,000 00
"	4 "	" " Nov. 1, 1926	600,000 00
Funding	6 "	" " July 1, 1900	800,000 00
"	5 "	" " July 1, 1916	1,000,000 00
Harford Run Improvement	4 "	" " Jan. 1, 1920	250,000 00
Paving	4 "	" " Nov. 1, 1920	500,000 00
Five Million	6 "	January 1, 1890	5,000,021 55
Consolidated	6 "	Septemmber 1, 1893	2,211,068 05
Park Improvem't	6 "	January 1, 1895	185,723 80
Jones' Falls	6 "	April 9, 1900	800,000 00
"	5 "	" 9, 1900	957,000 00
"	3-65 "	" 9, 1900	455,000 00
"	3½ "	" 9, 1900	160,000 00
"	3 "	" 9, 1900	100,000 00
City Hall	6 "	" 15, 1900	1,000,000 00
"	6 "	March 7, 1902	500,000 00
W. Md. Railroad	6 "	January 1, 1902	1,000,000 00
" "	4 "	July 1, 1925	684,000 00
" "	3½ "	January 1, 1927	1,704,000 00
Internal Imp'ent	3½ "	July 1, 1928	500,000 00
Harford Run Sewer	4 "	November 3, 1904	350,000 00
Patterson Park	4 "	October 1, 1920	200,000 00
Overdue Stock	6 "	No interest allowed	732 00
Water, 1875	6 "	" "	940 00
Consolidt'd, 1885	5 "	" "	2,525 46
One Million, 1886	6 "	" "	1,730 50
W. M. R. R. Bonds,	6 "	" "	2,900 00
Total funded debt			$36,738,107 70

GUARANTEED DEBT:

Endorsement of W. Md. R. R. 3d Mortgage Bonds	$ 875,000 00	
Endorsement of Union R. R. 1st Mortgage Bonds	117,000 00	
		992,000 00
Total funded and guaranteed debt...		$37,730,107 70

Amount brought forward.. :		$37,730,107 70
From which deduct—		
Water Loans of 1894, 1916, 1922 and 1926, the interest on which is paid by revenue from water rents.....	10,100,000 00	
Park Loans—Interest paid by the Passenger Railway Companies.....	755,566 25	
Western Maryland Railroad 4 per cent. 1925, and 3½ per cent. 1927 Loans, interest paid by Western Maryland Railroad Company.....	2,388,000 00	
Baltimore and Ohio Railroad Company on.....	5,000,021 55	
Union Railroad Company on.....	117,000 00	
Commissioners of Finance, on Western Maryland Railroad 1902 Loan.....	1,000,000 00	
Commissioners of Finance, on Western Maryland 3d Mortgage Bonds.....	875,000 00	
Overdue Stock, no interest allowed.....	5,927 96	
Overdue Western Maryland Railroad Bonds, no interest allowed.....	2,900 00	
		20,244,415 76
Leaving the amount on which interest is paid by taxation.....		$17,485,691 94

Viz:	$13,213,691 94	interest,	at	6	per cent.
	1,957,000 00	"	"	5	"
	1,100,000 00	"	"	4	"
	455,000 00	"	"	3-65	"
	660,000 00	"	"	3½	"
	100,000 00	"	"	3	"
	$17,485,691 94				

ASSETS OF THE CITY.

Productive.

Mortgage on Baltimore and Ohio Railroad Company.....	$5,000,000 00	
Mortgage on Union Railroad Company.....	117,000 00	
Mortgage on Western Maryland Railroad Company.....	1,704,000 00	
Value of sinking fund.....	6,552,491 59	
550 shares Baltimore and Reisterstown Turnpike Stock.....	2,062 50	
137 shares Baltimore and Frederick Turnpike Stock.....	456 66	
625 shares Baltimore and Yorktown Turnpike Stock.....	3,125 00	
Real estate, annual rental..... $10,225 11		
Wharf property, annual rental.... 38,000 00		
Market houses, annual rental..... 50,000 00		
	$98,225 11	
Captalized at 6 per cent.....	1,637,085 16	
		$15,016,220 91

Unproductive.

Accrued interest to January 1, 1887, on Western Maryland Railroad 2d Mortgage Guaranteed Bonds		$ 333,000 00	
Third Mortgage on Western Maryland Railroad Company	$ 875,000 00		
Accrued interest to date	997,500 00		
		1,872,500 00	
Fourth Mortgage on Western Maryland Railroad Company	$1,000,000 00		
Accrued interest to date	1,050,000 00		
		2,050,000 00	
32,500 shares Baltimore and Ohio Railroad Company stock, par		3,250,000 00	
10,000 shares Valley Railroad of Virginia Stock		1,000,000 00	
83,000 Philadelphia and Reading Railroad 3d Mortgage Preference Income Bonds		83,000 00	
4,000 shares Western Maryland Railroad Stock		200,000 00	
130 shares Baltimore and Havre de Grace Turnpike Stock			

Besides other property, such as—

Court-houses, Record Office, City Hall, Jail, Police stations, Fire engine houses and apparatus, School houses, Almshouse, Iceboats, Quarantine station, Public parks, Squares, &c., valued at		10,000,000 00	
			$18,788,500 00

STATEMENT B.

The following statement exhibits the present liabilities and the estimated expenses of the city to be provided for in the levy for the year 1890:

EXISTING CLAIMS.

Balance due Improvement of Jones' Falls account		$ 9,276 22	
Balance due Harford Run sewer account		32,440 89	
Balance due Water Board account		22,303 17	
Balance due Internal Improvement loan account		198,768 88	
Balance due Park Board account		10,439 63	
Temporary loans from banks, including $415,000 for Bolton property		765,000 00	
Paving certificates maturing during the year		9,008 21	
		1,047,237 00	
Cash balance in bank Dec. 31, 1889	372,548 12		
Payable by Western Md. R.R.Co., Dec. 31, 1889	41,370 00		
Value of Bolton property as leased	200,000 00		
		613,918 12	
			$433,318 88

Amount brought forward.....		$433,318 88
Taxes due and uncollected for the year 1889 and previous years, $1,756,961.81		

Estimated Requirements for the Fiscal Year ending December 31, 1890:

DEPARTMENT OF HEALTH.

Salaries.....	$ 32,300 00	
General health.....	15,000 00	
Nuisance and sewers.....	15,000 00	
Quarantine Hospital	18,000 00	
Post mortems.....	1,000 00	
		$81,300 00

DEPARTMENT OF PUBLIC SCHOOLS.

Salaries, exclusive of annex schools.....	$ 656,000 00	
Rents and ground rents....	36,000 00	
Books and stationery.....	50,000 00	
Heating apparatus and its repairs.....	12,000 00	
Furniture.....	25,000 00	
Fuel.....	30,000 00	
Repairs and cleaning.....	10,000 00	
Printing, supplies and incidentals	12,000 00	
Manual Training School...	30,000 00	
		$ 861,000 00
Amount carried forward.....		$1,375,618 88

Amount brought forward.....		$1,375,618 88
DEPARTMENT INSPECTOR OF BUILDINGS.		
Repairs of Public School houses.....	$ 10,000 00	
Substituting wood or iron for plaster ceilings.....	3,000 00	
Painting school houses....	5,000 00	
Cess-pools.....	1,400 00	
Incidentals, livery, &c....	700 00	
Salaries.....	5,500 00	
Repairs of city property..	22,000 00	
Sanitary improvements ...	3,000 00	
Extra out-door help	500 00	
Changing stalls at No. 3 and new floor for No. 10 engine houses.....	1,300 00	
New pavement for Centre Fish Market.....	2,000 00	
		$54,400 00
POLICE DEPARTMENT.		
Salaries of officers and men and expenses.....		779,941 88
ENOCH PRATT FREE LIBRARY.		
Required by Ordinance No. 64 of 1883		50,000 00
Amount carried forward.....		$2,259,960 76

Amount brought forward.....		$2,259,960 76
DEPARTMENT OF STREET CLEANING.		
136 garbage carts and men at $18 per week.....	$ 127,296 00	
56 street carts and men at $18 per week.....	52,416 00	
125 sweepers and scrapers at $10 per week	65,000 00	
Contract for removal of garbage	8,500 00	
Salaries	9,000 00	
Dumps.....	4,500 00	
Tools and incidentals.....	1,850 00	
		$268,562 00
DEPARTMENT GENERAL SUPERINTENDENT OF LAMPS.		
Gas and Electric Light....$	250,340 50	
Lamp pillars and lamps...	15,449 20	
Livery of horse.....	300 00	
Incidentals, postage and advertising.....	200 00	
		$266,289 70
CITY POOR.		
Maintenance of Bayview and insane department..$	85,000 00	
Transportation of poor....	1,000 00	
St. Mary's Industrial School.....	20,000 00	
Amounts carried forward..	$106,000 00	$2,794,812 46

Amounts brought forward.	$106,000 00	$2,794,812 46
Mount Hope Retreat.....	44,000 00	
Maryland Hospital for the Insane	28,000 00	
House of Refuge.....	20,000 00	
House of Reformation	8,000 00	
Washington University....	6,750 00	
University of Maryland...	6,750 00	
St. Vincent's Infant Asylum	5,000 00	
Nursery & Child's Hospital	3,500 00	
St. Elizabeth's Colored Orphan Asylum.....	2,000 00	
Home of the Friendless....	2,100 00	
Industrial Home for Colored Girls.....	1,000 00	
St. Joseph's House of Industry.....	500 00	
Female House of Refuge..	3,000 00	
Hospital of the Good Samaritan	800 00	
Deaf and Dumb at Frederick	200 00	
Shelter for the Aged Colored Poor.....	1,000 00	
Boy's Home Society.....	3,000 00	
St. Mary's Home for Colored Children.....	500 00	
St. Mary's Female Orphan Asylum	4,000 00	
Amounts carried forward..	$246,100 00	$2,794,812 46

Amounts brought forward.	$246,100 00	$2,794,812 46
Baltimore Manual Labor School	1,000 00	
Widows & Orphans, War 1812	100 00	
Baltimore University Hospital	2,535 00	
Maryland General Hospital	4,435 00	
Homœpathic Free Dispensary	700 00	
Northeastern Free Dispensary	900 00	
Eastern Free Dispensary	700 00	
Southern Free Dispensary.	1,200 00	
Baltimore General Free Dispensary	600 00	
Baltimore Medical College Free Dispensary	1,000 00	
North Western Free Dispensary	400 00	
College of Physicians and Surgeons Dispensary	800 00	
Woman and Childs Dispensary	500 00	
Baltimore University Dispensary	600 00	
University of Maryland Dispensary	800 00	
Polyclenic Dispensary	300 00	
Amounts carried forward.	$262,670 00	$2,794,812 46

Amounts brought forward.	$262,670 00	$2,794,812 46
College of Dental Surgery Dispensary	500 00	
		$263,170 00

GENERAL EXPENDITURE.

City Council	$ 57,000 00	
General expense	1,200 00	
Circuit Court No. 2, care of	744 00	
Masonic Hall	3,501 00	
Court House	5,558 00	
Madison Square	1,200 00	
Eastern Fountain	1,000 00	
Franklin Square	1,400 00	
Union Square	1,400 00	
Perkins' Spring Square	1,000 00	
Ground rent, Perkins' sqr.	2,052 00	
Park Place Square	500 00	
Lafayette Square	1,200 00	
Jackson Square	800 00	
Mt. Vernon Square	500 00	
Broadway Squares, first division	1,300 00	
Broadway Squares, second division	1,300 00	
Eutaw Squares, first division	1,300 00	
Eutaw Squares, second division	1,300 00	
Amounts carried forward	$84,255 00	$3,057,982 46

Amounts brought forward.	$84,255 00	$3,057,982 46
Ashland Square	150 00	
Fulton Avenue Squares and Baker Circle	1,300 00	
Taney Place Square	400 00	
Johnston Square	900 00	
Frick's Triangle	50 00	
Collington Square	1,400 00	
Mount Royal ave. squares	1,000 00	
Federal Hill Park	4,000 00	
Riverside Park	3,000 00	
Ground rent Riverside Park	3,770 62	
Harlem Park	4,000 00	
Salaries	72,369 60	
City Library	7,500 00	
Public Printing	2,500 00	
Interest	90,000 00	
Superintendent of City Hall	17,940 00	
Mayoralty	3,000 00	
Lamplighters salaries	46,514 00	
Transportation to House of Correction	300 00	
City Property	4,200 00	
Appeal Tax Court	450 00	
City Collector	55,200 00	
Commissioners for Opening Streets	200 00	
Elections	9,000 00	
Dog Pound	1,500 00	
Amounts carried forward	$414,899 22	$3,057,982 46

Amounts brought forward.	$414,899 22	$3,057,982 46
Supervisors of Elections..	6,000 00	
Maryland Institute.....	6,000 00	
Winding Maryland Institute clock.....	75 00	
Ringing Mechanics bells..	200 00	
General Licenses.....	1,400 00	
Ice-boat Annapolis, maintenance	10,000 00	
State tax on City loans....	12,400 00	
Insurance of Bayview.....	1,295 00	
Rent of Circuit Court No. 2	900 00	
		$ 453,169 22

FIRE DEPARTMENT.

Salaries.....	$ 156,200 00	
Apparatus	7,500 00	
Apparatus, repairs.....	5,000 00	
Accident.....	2,500 00	
Feed	10,000 00	
Fuel.....	3,000 00	
Furniture.....	1,500 00	
Harness.....	800 00	
Horse shoeing.....	1,800 00	
Hose and suction sleeves..	9,000 00	
Horses	5,000 00	
Ground rents.....	804 25	
Gas	1,200 00	
Oils, grease, &c.....	2,000 00	
Amounts carried forward..	$206,304 25	$3,511,151 68

Amounts brought forward.	$206,304 25	$3,511,151 68
Office expenses and salary of messenger	1,000 00	
Rent of telephones	700 00	
Miscellaneous	1,000 00	
Washing	1,500 00	
Life insurance	3,000 00	
Sick, accidents, &c.	1,000 00	
Pensioned firemen	4,000 00	
Police and Fire Alarm Telegraph	18,975 00	
		$237,479 25

HARBOR BOARD.

Harbor	$ 50,000 00	
City Ice Boat Latrobe, unexpended balance	2,505 26	
City Ice Boat Latrobe, new appropriation	7,494 74	
Repairs of wharves, unexpended balance	1,282 07	
Repairs of wharves, new appropriation	1,217 93	
Sea Wall at Little Hawkins' Point	1,500 00	
		$64,000 00

DEPARTMENT CITY COMMISSIONER.

Repairs of sewers and inlets	$10,000 00	
Amounts carried forward..	$10,000 00	$3,812,630 93

Amounts brought forward.	$10,000 00	$3,812,630 93
Repairs of bridges.....	6,000 00	
Repairs of paved streets ..	80,000 00	
Repairs of unpaved streets	2,000 00	
Flag and stepping stones..	10,000 00	
Paving and repaving in front of City property..	1,000 00	
Paving and repaving cross streets.....	25,000 00	
Salaries.....	9,000 00	
Livery	1,000 00	
Incidentals.....	100 00	
Maintenance of floor of St. Paul street bridge.....	946 27	
Maintenance of floor of Calvert street bridge.....	536 05	
Maintenance of floor of Biddle street bridge.....	259 68	
		$145,842 00

INTEREST ON STOCK DEBT.

Three months' interest on five million loan, due January 1, 1890.....	$ 75,000 00	
One year's interest on consolidated 6 per cent. 1890 stock.....	363,794 57	
Nine months' interest on public park 6 per cent. 1890 stock.....	25,000 47	
Amounts carried forward..	$463,795 04	$3,958,472 93

Amounts brought forward.	$463,795 04	$3,958,472 93
One year's interest on exempt 6 per cent. 1893 stock	24,621 24	
One year's interest on water 6 per cent. 1894 stock	15,780 00	
One year's interest on water 5 per cent. 1894 stock	186,850 00	
One year's interest on water 5 per cent. 1916 stock	250,000 00	
One year's interest on water 4 per cent. 1922 stock	20,000 00	
One year's interest on water 4 per cent. 1926 stock	36,000 00	
One year's interest on funding 6 per cent. 1900 stock	48,000 00	
One year's interest on funding 5 per cent. 1916 stock	50,000 00	
One year's interest on Harford Run 4 per cent. 1920 stock	10,000 00	
Amounts carried forward.	$1,105,046 28	$3,958,472 93

Amounts brought forward.	$1,105,046 28	$3,958,472 93
One year's interest on paving 4 per cent. 1920 stock.....	20,000 00	
One year's interest on Consolidated 6 per cent. 1893 stock.....	132,664 08	
One year's interest on park improvement 6 per cent. 1895 stock.....	11,143 38	
One year's interest on City Hall 6 per cent. 1900 stock.....	60,000 00	
One year's interest on City Hall 6 per cent. 1902 stock.....	30,000 00	
One year's interest on Jones' Falls 6 per cent. 1900 stock.....	48,000 00	
One year's interest on Jones' Falls 5 per cent. 1900 stock.....	47,850 00	
One year's interest on Jones' Falls 3.65 per cent. 1900 stock.....	16,607 50	
One year's interest on Jones' Falls 3½ per cent. 1900 stock.....	5,600 00	
Amounts carried forward..	$1,476,911 24	$3,958,472 93

Amounts brought forward.	$1,476,911 24	$3,958,472 93
One year's interest on Jones' Falls 3 per cent. 1900 stock	3,000 00	
One year's interest on Western Maryland Railroad 6 per cent. 1902 stock	60,000 00	
One year's interest on Western Maryland Railroad 4 per cent. 1925 stock	27,360 00	
One year's interest on Western Maryland Railroad 3¼ per cent. 1927 stock	55,380 00	
One year's interest on Patterson Park Extension 4 per cent. 1920 stock	8,000 00	
One year's interest on Harford Run sewer 4 per cent. 1904 stock	14,000 00	
One year's interest on Western Maryland Railroad Third Mortgage 6 per cent	52,500 00	
One year's internal improvement 3½ per cent. 1928 stock	17,500 00	
Amounts carried forward.	$1,714,651 24	$3,958,472 93

Amounts brought forward.		$1,714,651 24	$3,958,472 93
Less			
Interest paid by Commissioner of Finance...	$112,500 00		
Interest paid by by the Water Board.....	508,630 00		
Interest paid by City Passenger Railway Companies...	33,000 47		
Interest paid by Western Maryland R. R. Co....	82,740 00	736,870 47	977,780 77
			$4,936,253 70

CERTAIN EXPENSES.

Criminal Court.....	$80,000 00	
Baltimore City Court.....	13,000 00	
Court of Common Pleas...	14,000 00	
Superior Court.....	14,000 00	
Orphans' Court.....	7,500 00	
Circuit Court.....	2,900 00	
Circuit Court No. 2.....	2,900 00	
Supreme Bench.....	3,025 00	
Coroners.....	2,400 00	
Amounts carried forward..	$139,725 00	$4,936,253 70

Amounts brought forward.	$139,725 00	$4,936,253 70
Judgments and suits.....	5,000 00	
Baltimore City Jail.....	52,000 00	
Magistrates	16,000 00	
Removed cases.....	20,000 00	
Registration of voters	65,500 00	
		$298,225 00

OPENING AND WIDENING STREETS.

Chester street, from Eager to Hoffman, balance....	$2,536 88	
Cannon street, from Baltimore to Oliver, balance.	364 00	
Collington avenue, from Fairmount avenue to Monument street, balance	500 00	
Donaldson street, from Marshall to Sharp, balance..	26 34	
Patapsco street, from Fort avenue to Ostend, balance	715 14	
Covington street, from Fort avenue to Gould, balance	1,456 02	
Race street, from Cross to Fort avenue, balance....	946 60	
Carroll street, from Cross to Stockholm	2,518 76	
Townsend street, from Caroline to Broadway.....	10,827 78	
Amounts carried forward..	$19,891 52	$5,234,478 70

Amounts brought forward.	$19,891 52	$5,234,478 70
Beason street, from Hull to Andre	2,185 83	
Etting street, from Robert to Laurens	1,182 78	
Oliver street, from Aisquith to Harford avenue	9,616 99	
Burke street, from Baltimore to Monument	14,193 83	
Nanticoke street, from Cross to Stockholm	1,177 19	
Richardson street, from Fort avenue to Beason	1,006 59	
Clement street, from Hull to Garrett avenue	5,816 29	
Mosher street, from Kirby's lane to western City limits	8,602 20	
Madison street, from Wolfe to Washington	4,804 14	
Lanvale street, from Bond to Wolfe	10,936 50	
Calhoun street, from Cemetery lane to Winchester	4,878 21	
Careystreet, from Cemetery lane to Winchester	4,812 05	
Carrolton avenue, from Mosher to Winchester	5,571 87	
Amounts carried forward	$94,675 99	$5,234,478 70

Amounts brought forward.	$94,675 99	$5,234,478 70
Scott avenue, from its present terminus to Ridgely street	3,525 94	
Fairmount avenue from Patterson Park to Luzerne street	17,160 04	
Wooster street, from Washington to Nanticoke street	4,780 18	
Cooksie street, from Clemant to Cuba street	288 24	
		$120,430 39

CITY ANNEX—Comprising the 21st and 22nd Wards.

4 Sanitary Inspectors, $500 each	$2,000 00	
2 vaccine physicians, $300 each	600 00	
Removing dead animals, nuisances and sewers	2,500 00	
Salaries of school teachers.	72,000 00	
Sundry expenses of schools.	22,500 00	
Gas and electric light	8,737 50	
Lamp pillars and lamps	6,055 38	
Deficiency for 1889	3,794 23	
11 garbage carts and men, at $18 per week	10,296 00	
3 street carts and men, at $18 per week	2,808 00	
6 sweepers and scrapers, at $10 per week	3,120 00	
Salary of Superintendent.	1,000 00	
Amounts carried forward.	$135,411 11	$5,354,909 09

Amounts brought forward.	$135,411 11	$5,354,909 09
Tools	60 00	
Fire Department deficiency for 1889	3,860 82	
Salaries of firemen	15,400 00	
Repairs of fire engines	1,500 00	
Accidents	600 00	
Feed for horses	2,400 00	
Fuel	400 00	
Furniture for engine houses	500 00	
Harness for horses Fire Department	$ 500 00	
Horse shoeing Fire Department	500 00	
Hose for Fire Department.	300 00	
Horses for Fire Department	1,500 00	
Rent of engine houses	600 00	
Gas for engine houses	150 00	
Oils, grease, &c.	1,000 00	
Rent of telephone	50 00	
Miscellaneous expenses	300 00	
Washing engines, &c.	150 00	
Life Insurance for firemen.	325 00	
Sick account for firemen	200 00	
Police and fire alarm telegraph	5,000 00	
Repairs of roads, streets, and bridges	25,000 00	
	$ 195,706 93	
Less taxes in arrears	43,659 15	
		152,047 78
		$5,506,956 87

STATEMENT C.

Estimated Receipts from Taxes in arrear, and other specified sources of Revenue, for the fiscal year ending December 31, 1890.

Taxes in arrear, estimated collections during the year	$1,292,000 00
State of Maryland for Public Schools	162,000 00
Tuition fees, and J. F. Plummer, Public Schools	3,600 00
Fines	4,000 00
Jail Visitors	2,500 00
Bayview Asylum	2,600 00
Mount Hope Retreat	4,500 00
Maryland Hospital for the Insane	1,600 00
Sale of refuse from streets	2,400 00
Quarantine Hospital	4,500 00
Fire Department	500 00
Permits for sheds and signs	8,000 00
Vaults and areas	500 00
Inspector and Sealer of Gas Meters	2,500 00
Rent of market stalls—net	51,000 00
Rent of public wharves—net	20,000 00
Dog pound	400 00
General licenses	46,000 00
Auction duties	5,000 00
Turnpike dividends	300 00
Chesapeake and Potomac Telephone Co.	3,000 00
	$1,616,900 00

STATEMENT D.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
Criminal Court	$ 79,282 88	$ 60,000 00	$ 60,000 00		
Baltimore City Court	12,429 20	13,000 00	13,000 00		
Court of Common Pleas	13,610 20	14,000 00	14,000 00		
Superior Court	13,873 85	14,000 00	14,000 00		
Orphans' Court	7,857 48	7,500 00	7,500 00		
Circuit Court	2,796 40	2,900 00	2,900 00		
Circuit Court No. 2	2,315 40	2,900 00	2,900 00		
Supreme Bench	3,025 00	3,075 00	3,075 00		
Coroners	2,386 66	2,400 00	2,400 00		
Fines	1,542 00	4,805 36			$ 4,805 36
Judgments and Suits	12,363 52	2,000 00	2,000 00		
Jail	52,445 63	55,084 15	52,250 00		2,834 15
Magistrates	15,501 00	17,000 00	17,000 00		
Registration	65,138 86	65,746 74	65,746 74		
Certain Expenses		249,983 70		249,983 70	
Removed Cases	57 20	6,304 05	5,000 00		1,304 05
Schools.					
Public Schools	131,214 71	897,004 78	132,000 00	599,286 89	165,717 89
Public Schools—Salaries	628,631 40	630,000 00	630,000 00		
Manual Training School	22,055 30	22,066 00	22,066 00		
City Poor		213,296 27		213,296 27	
Bayview	81,920 32	87,752 38	85,000 00		2,752 38
Transportation of Poor	926 28	1,020 40	1,000 00		20 40
Dispensaries	9,500 00	9,500 00	9,500 00		

St. Mary's Industrial School	20,000 00	20,000 00	20,000 00		
Mt. Hope Retreat	24,000 00	28,535 00	24,000 00		4,535 00
Maryland Hospital for the Insane	12,000 00	13,620 00	12,000 00		1,620 00
House of Refuge	20,000 00	20,000 00	20,000 00		
House of Reformation	8,000 00	8,000 00	8,000 00		
Washington University	6,750 00	6,750 00	6,750 00		
University of Maryland	6,750 00	6,750 00	6,750 00		
St. Vincent's Infant Asylum	4,999 98	5,000 00	5,000 00		
Nursery and Child's Hospital	3,250 00	3,500 00	3,500 00		
St. Elizabeth's Colored Orphan Asylum	1,999 95	2,000 00	2,000 00		
Home of the Friendless	2,100 00	2,100 00	2,100 00		
Industrial Home for Colored Girls	4,000 00	4,000 00	4,000 00		
St. Joseph's House of Industry	500 00	500 00	500 00		
Female House of Refuge	3,000 00	3,000 00	3,000 00		
Hospital of the Good Samaritan	761 86	845 00	845 00		
Deaf and Dumb at Frederick	200 00	200 00	200 00		
Shelter for the Aged Colored Poor	1,000 00	1,000 00	1,000 00		
Boys' Home Society	3,000 00	3,000 00	3,000 00		
St. Mary's Home for Colored Children	500 00	500 00	500 00		
St. Mary's Female Orphan Asylum	3,791 65	4,000 00	4,000 00		
Baltimore Manual Labor School	1,000 00	1,000 00	1,000 00		
Widows and Orphans, War of 1812	100 00	100 90	100 00		
Baltimore University Hospital	9,535 00	2,535 00	2,535 00		
Maryland General Hospital	3,958 30	4,435 00	4,435 00		
Park Sinking Fund	21,148 07	21,148 07			21,148 07
Harbor Commission	39,338 23	40,000 00	40,000 00		
Bulkhead at Little Hawkin's Point	3,430 36	3,500 00	3,500 00		
Ice Boat F. C. Latrobe	9,494 74	12,000 00	12,000 00		
Repairs of wharves	1,717 53	3,000 00	3,000 00		
Repairs of City Dock	3,125 29	6,000 00	6,000 00		
Amounts carried forward	$1,378,324 25	$2,608,356 90	$1,341,052 74	$1,062,566 86	$204,737 30

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns.	Received from Collector of Taxes	Received from Other Sources.
	Dr.	Cr.			
Amounts brought forward	$1 371,324 25	$2,608,356 90	$1,341,052 74	$1,062,566 86	$204,737 30
Police Department	779,941 88	1,441,658 87	745,196 60	696,463 27	.....
Health Department.					
Cleaning streets	262,721 12	269,249 68	266,776 00	.....	2,473 68
Health	13,026 87	13,026 87	13,026 87	.....	.....
Health salaries	32,425 00	32,425 00	32,300 00	.....	125 00
Quarantine Hospital	17,643 12	22,692 09	18,000 00	.....	4,692 09
Nuisances	8,181 25	8,181 68	8,181 68	.....	.....
Removal of refuse of packing Houses	7,500 00	7,500 00	7,500 00	.....	.....
Post mortems	1,000 00	1,000 00	1,000 00	.....	.....
Fire Department.					
Salaries and incidentals	232,063 53	232,566 50	232,064 25	.....	502 25
Fire alarm boxes, various places	1,493 43	1,500 00	1,500 00	.....	.....
Repairing machinery, Police and Fire Alarm Telegraph	723 00	723 00	723 00	.....	.....
Improved machinery for Police and Fire Alarm Telegraph	3,890 60	.....	.....	.....	.....
Chemical Engine at No. 15 Engine House	1,198 77	1,200 00	1,200 00	.....	.....
Inspector of Buildings.					
Salaries and incidentals	6,700 00	6,700 00	6,700 00	.....	.....

Furnishing Circuit Court No. 2	300 00	300 00	300 00		
New Bell No. 5 Truck House	325 00	325 00	250 00		75 00
Repairs B. L. I. Armory	1,000 00	1,000 00	1,000 00		
Improving No. 2 Truck House	150 00	150 00	150 00		
Gun racks, Howard Zouave Armory	294 50	300 00	300 00		
Permits for sheds, signs, &c	1,211 37	8,492 26			8,492 26
Repairs of School Houses	8,998 96	9,000 00	9,000 00		
Repairs of City property	17,996 15	18,000 00	18,000 00		
Cleaning cess pools of Public Schools	1,194 00	1,200 00	1,200 00		
Building Colored School in West Baltimore	15,126 40	15,140 00	15,140 00		
Rebuilding wall of No. 10 Engine House	1,000 00	1,000 00	1,000 00		
Building Grammar School No. 2	14,992 49	15,000 00	15,000 00		
Sanitary improvements of Schools	2,920 18	3,000 00	3,000 00		
Painting School Houses	3,994 19	4,000 00	4 000 00		
Wood ceilings for Public Schools	1,000 00	1,000 00	1,000 00		
Purchase of lot and building Engine House No. 15	16,998 71	17,000 00	17,000 00		
City Commissioner's Department.					
Salaries and incidentals	10,030 31	10,100 00	10,100 00		
Vaults and areas		909 89			909 89
Repairs of paved streets	69,924 59	71,323 59	70,000 00		1,323 59
Repairs of unpaved streets	1,297 21	1,300 00	1,300 00		
Repairs of bridges	4,671 59	4,686 29	4,673 79		12 50
Repairs of sewers	5,957 05	9,647 69	6,000 00		3,647 69
Improvement of Jones Falls	60,719 17	337 50			337 50
Improvement of Harford Run	19,985 90				
Foot bridge, Nanticoke street	34 72	75 00	75 00		
Kerbing Fulton avenue	675 97	675 97	675 97		
Macadamizing Garrison lane	1,984 11	2,000 00	2,000 00		
Amounts carried forward	$3,002,615 39	$4,842,744 78	$2,856,385 90	$1,759,030 13	$227,328 75

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr			
Amounts brought forward	$3,002,615 39	$4,842,744 78	$2,856,385 90	$1,759,030 13	$227,328 75
Board walk Edmondson avenue	586 12	600 00	600 00		
Light St. Bridge, repairs and maintenance	6,214 67	6,781 62	6,720 47		61 15
Cross streets, paving and repaving	13,081 51	13,203 91	13,203 91		
Paving in front of City property	658 54	700 00	700 00		
Iron gutter plates	2,498 07	3,014 36	3,000 00		14 36
Iron plates Charles St. and North ave.	1,377 66	1,400 00	1,400 00		
Flag and stepping stones	2,487 59	2,500 00	2,500 00		
Shelling Eastern avenue	499 73	500 00	500 00		
Shelling Loney's lane	492 94	500 00	500 00		
Central avenue sewer	330 43	330 43	330 43		
Inlets to Broadway sewer	970 21	1,100 00	1,100 00		
Repairing Calvert Street Bridge	536 05	536 05	536 05		
Repairing St. Paul Street Bridge	946 27	946 27	946 27		
Traps and inlets to Broadway sewer	1,295 64	1,300 00	1,300 00		
Improving Park, Charles street and North avenue	296 38	300 00	300 00		
Iron plates, Lancaster and Burke sts.	573 04	750 00	750 00		
Trapping inlets, Lexington and other streets	789 38	975 00	975 00		
Trapping inlets, Calhoun and Lanvale streets	1,017 85	1,500 00	1,500 00		
Park Commission.					
Druid Hill and Patterson Parks	123,546 12	130,166 91			130,166 91

Federal Hill Park	3,927 79	4,275 00	4,000 00		275 00
Riverside Park	2,930 60	3,005 00	3,000 00		5 00
Ground rent—Riverside Park	3,770 62	3,770 62	3,770 62		
Harlem Park	3,999 85	4,000 00	4,000 00		
Patterson Park extension	343 25	4 32			4 32
General Superintendent of Lamps.					
Inspecting and sealing gas meters		2,570 50			2,570 50
Incidentals	300 00	300 00	300 00		
Gas and Electric Lights	234,851 16	240,977 59	240,977 59		
Lamp Pillars and Lamps	15,480 13	15,605 19	15,500 00		105 19
General Expenditures.					
Mt. Royal Avenue Square	998 49	1,000 00	1,000 00		
City Council	56,935 55	57,000 00	57,000 00		
General Expense	1,155 57	1,200 00	1,200 00		
Care of Circuit Court No. 2	741 57	750 00	750 00		
Masonic Hall	3,356 25	3,393 00	3,393 00		
Courthouse	6,000 00	6,050 09	6,000 00		50 09
Madison Square	1,194 32	1,200 00	1,200 00		
Eastern Fountain	1,000 00	1,000 00	1,000 00		
Franklin Square	1,400 00	1,400 00	1,400 00		
Union Square	1,429 62	1,600 00	1,600 00		
Perkins' Spring Square	1,000 00	1,000 00	1,000 00		
Ground rent—Perkins' Spring Square	2,052 00	2,052 00	2,052 00		
Park Place Square	500 00	500 00	500 00		
Lafayette Square	1 010 00	1,200 00	1,200 00		
Jackson Square	799 92	800 00	800 00		
Mt. Vernon Squares	500 00	500 00	500 00		
Broadway Square, 1st division	1,913 96	1,952 50	1,952 50		
Broadway Square, 2d division	3,949 74	4,000 00	4,000 00		
Amounts carried forward	$3,511,263 98	$5,370,955 14	$3,251,343 74	$1,759,030 13	$360,581 27

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Amounts brought forward	$3 511,263 98	$5,390,955 14	$3,251,343 74	$1,759,050 13	$360,581 27
Eutaw Square, 1st division	1,300 00	1,300 00	1,300 00		
Eutaw Square, 2d division	1,300 00	1,300 00	1,300 00		
Ashland Square	149 44	150 00	150 00		
Fulton Ave. Square and Baker Circle	3,492 63	3,500 00	3,500 00		
Taney Place Square	367 39	402 00	400 00		2 00
Johnston Square	897 71	900 00	900 00		
Frick's triangle	49 00	50 00	50 00		
Collington square	1,586 35	1,651 24	1,651 24		
Lafayette Market	291 90	1,239 12	100 00		1,139 12
Centre Market	654 00	9,015 43			9,015 43
Belair Market	605 66	8,098 80	150 00		7,948 80
Fells Point Market	604 11	6,568 60	100 00		6,468 60
Lexington Market	704 95	12,179 60	125 00		12,054 60
Richmond Market	517 30	2,378 00	150 00		2,228 00
Hanover Market	438 46	6,241 00			6,241 00
Cross Street Market	416 30	4,403 55	150 00		4,253 55
Hollins Market	330 00	3,652 75			3,652 75
Northeast Market	285 50	2,378 40			2,378 40
Canton Market	185 65	439 90			439 90
Cross Street Hall	16 50	110 00			110 00
Hollins Hall	95 50	472 00			472 00
Broadway Hall	32 10	55 00			55 00
Wharfage	6,781 11	25,292 64			25,292 64
Salaries	72,241 27	72,369 60	72,369 60		
City Library	7,499 02	7,524 50	7,500 00		24 50
Public Printing	981 18	1,841 35	1,608 35		233 00

Interest	139,409 07	224,474 17	90,000 00	134,474 17	
Interest on Stock Debt	1,872,581 36	2,755,916 88	1,884,582 92		871,333 96
Superintendent of City Hall	16,915 95	17,188 10	17,125 00		63 10
Mayoralty	1,815 06	3,000 00	3,000 00		
Lamplighters	46,514 00	46,514 00	46,514 00		
Unclaimed Damages for Opening Streets	765 00	827 00			827 00
Special Appropriations	2,852 30	2,852 30	2,852 30		
Transportation to House of Correction	212 00	200 00	200 00		
City Property	3,697 84	4,360 00	4,200 00		160 00
Appeal Tax Court	268 52	450 00	450 00		
City Collector	52,246 02	53,100 00	53,100 00		
Commissioners for Opening Streets	143 16	200 00	200 00		
Elections	7,690 93	9,500 00	9,500 00		
Dog Pound	1,000 00	1,436 80	1,000 00		436 80
Supervisors of Elections	5,567 62	6,000 00	6,000 00		
Maryland Institute	6,000 00	6,000 00	6,000 00		
Tax Sales	9,491 75	2,638 34			2,638 34
Winding Maryland Institute Clock	75 00	75 00	75 00		
Ringing Mechanics' Bells	200 00	200 00	200 00		
Inspector of Gas and Oils, Livery	275 00	300 00	300 00		
Water Board	874,095 33	820,253 15			820,253 15
Water Loan 1926	263,115 91	218,000 00			218,000 00
General Licenses	1,380 60	47,315 07	1,300 00		46,015 07
City Seal		41 25			41 25
Refunded Taxes	2,005 81				
Temporary Loans	2,296,000 00	2,146,000 00			2,146,000 00
Auction Duties		5,340 90			5,340 90
Building new Ice Boat	60,000 00	60,000 00	60,000 00		
Enoch Pratt Free Library	50,000 00	50,000 00	50,000 00		
Water 1926 Sinking Fund	9,365 32	9,365 32		9,365 32	
Amounts carried forward	$9,336,770 56	$12,036,016 90	$5,579,447 15	$1,902,569 62	$4,553,700 13

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Amounts brought forward	$9,336,770 56	$12,036,016 90	$5,579,447 15	$1,902,869 62	$4,553,700 13
Internal Improvement 1928 Sinking Fund	9,365 32	9 365 32		9,365 32	
Direct Tax		1,937,257 54		1,937,257 54	
Miscellaneous Stocks		925,133 21		925,133 21	
Opening Streets		180,031 02		180,031 02	
Water Tax		51,587 57		51,587 57	
Renumbering Houses		756 00		756 00	
Ice Boat Maryland	10,000 00	10,000 00	10,000 00		
Turnpike Dividends		305 65			305 65
Assistance to Examiner of Titles	456 50	1,000 00	1,000 00		
Conscience Fund		40 00			40 00
Surveying and Platting of Annexed Territory	4,361 90	5,000 00	5 000 00		
Sale of City Property	227 17	3,700 00			3,700 00
Telephone Conduits		1,500 00			1,500 00
State Tax on City Loans	33,271 48	35,713 06	14,407 00		21,306 06
Insurance of Bayview Asylum	1,295 00	1,305 00	1,305 00		
Rent of Circuit Court No. 2	773 37	900 00	900 00		
Condemnation of Federal Hill	262 50				
New Bell for City Hall	2,943 00	2,943 00	2,943 00		
Internal Improvement 1928 Loan	15,000 00	515,000 09			515,000 00
Building No. 8 Grammar School	6,661 75				
Building Manual Training School	12,230 68				
Building addition to Grammar and Primary School No. 11	11,253 76				

Building Male and Female Grammar School No. 13	7,903 13				
Purchase of lot and building English-German School No. 5	15,255 08				
Purchase of lot and building No. 24 Primary School	12,222 65				
Purchase of lot and building Male and Female Grammar School 22	8,216 07				
Purchase of lot and building Grammar and Primary School	11,803 15				
Purchase of lot and building Male and Female Primary School No. 31	2,504 00				
Sewer and Inlets, Mt. Royal avenue	10,223 74				
Rebuilding Light Street Bridge	7,375 22				
Preston street sewer	21,585 95	33 33			33 33
Ensor street sewer	4,982 98				
Patapsco street sewer	2,979 65	2 00			2 00
Patterson Park sewer	33,191 19				
Jenkins' run sewer	3,676 77				
Presbury street sewer	16,680 59				
Low street sewer	4,854 58				
Fremont street sewer	9,418 99				
Eager street sewer	5,958 59				
Wolfe street sewer	5,643 68				
Fulton avenue sewer	17,063 04				
Pulaski street sewer	2,580 61				
Wilkens' avenue bridge	5,965 34	117 73			117 78
Cedar Avenue Bridge	682 07				
Boston Street Bridge	132 57				
Patterson Park extension	14,252 46				
Purchase of lot adjoining Eastern Female High School	15,642 26				
Amounts carried forward	$9,685,6 7	$1,577,707 33	$5,615,002 15	$5,007,000 28	$5,095,704 90

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER.		Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
	Dr.	Cr.			
Amounts brought forward	$9,685,667 35	$15,717,707 33	$5,615,002 15	$5,007,000 28	$5,095,704 90
Purchase of ground and building Annex School No. 4	5,471 75				
Opening Fayette street	681 51				
" East Baltimore street	658 69				
Paving Monument street	87 51				
" Cathedral street	23,391 11	68 60			68 60
Closing Birckhead street	142 03				
Closing a 15 foot alley, Collington avenue to Patterson Park avenue	60 74				
Closing Brown's lane	422 01				
" Butcher's lane	2,110 63	2,255 03		2,255 03	
" Belvidere street	65 73				
" Fourth street	194 81				
" Philadelphia road	3,065 21	3,410 92		3,410 92	
Opening Douglas street	1,954 99				
" Collington avenue	28,006 57	26 852 52	19,001 97	7,205 55	645 00
" Covington street		1,456 02	1,456 02		
" Florence street	218 22				
" Mulberry street	19,230 93	20,002 29	12,336 60	5,978 21	1,687 48
" Saratoga street	10,900 00	11,476 29	5,568 98	4,982 75	924 56
" Carroll street	15 00	446 25		446 25	
" Harlem avenue	10,656 14	10,147 24	4,832 74	5,314 50	
" Dallas street	877 96	833 33	310 83	522 50	
" Nanticoke street	45 00	1,320 70		1,320 70	
" Francis street	239 95				

Opening Payson street	63,329 60	64,064 55	31,966 26	31,810 54	287 75
" Stockholm street	2,375 00	2,375 00	2,045 00	330 00	
" Donaldson street		26 34	26 34		
" Patapsco street		819 15	819 15		
" Morris alley	312 07				
" Pulaski street	23 398 82	24,115 70	14,621 15	8,435 33	1,059 22
" Patterson Park avenue	49,519 66	48,793 19	26,355 32	22,387 87	50 00
" Randall street	151 46				
" Webster street	158 42				
" Exeter street	11,035 32	10,337 24	9,594 01	283 23	460 00
" Etting street	62 16	1,286 22		1,286 22	
" Brice alley	157 37				
" Chester street	16,879 85	18,369 83	12,914 29	1,118 16	4,337 38
" Oliver street	2 00	1,284 06		1,284 06	
" Clement street	2,384 86	2,970 07	821 25	2,148 82	
" Preston street	1,376 00				
" Carrollton avenue	138 10	819 46		819 46	
" Cemetery la. and Tennant st.	103 80				
" Carey street	111 29	1,341 65		1,341 65	
" Stoddard alley	121 18				
" Federal street	36,508 57	36,716 98	18,337 65	16,927 85	1,451 48
" Beverlin street	7,900 00	7,828 26	4,797 44	1,866 14	1,164 68
" Castle alley	46 75				
" Elizabeth lane	43 13				
" Orleans and Low streets	106 75				
" Towson street	13,472 95	13,476 87	7,803 62	5,673 25	
" Richardson street	227 26	394 62		394 62	
" Andre street	13,494 51	13,730 32	5,220 32	8,510 00	
" Clemm street	4,874 75	5,087 57	1,570 57	3,517 00	
" Townsend street	42 50	2,369 09		2,369 09	
" Biddle street	105 35				
" Spring street	107 03				
Amounts carried forward	$10,042,700 35	$16,052,182 60	$5,795,401 66	$5,148,939 98	$5,107,841 05

STATEMENT D—Continued.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$10,042,700 35	$16,052,182 60	$5,795,401 66	$5,148,939 98	$5,107,841 05
Opening Mount street	7,110 96	6,814 29	4,148 29	2,666 00	
" Chew street	78 65				
" Lovegrove alley	263 58				
" Cooksie street	63 71				
" Beason street	224 72	1,400 50		1,400 50	
" Race street	71 96	605 37	554 62	50 75	
" Wooster street	79 64				
" Clare street	119 42				
" Madison street	85 01				
" Bouldin alley	213 13				
" Patterson avenue	170 02				
" Lanvale street	21 56	2,393 86		2,393 86	
" Nicholson street	182 25				
" Patapsco alley	10 00				
" Russell street	35 00				
" Mosher street	151 50	177 50		177 50	
" Henry street	42 50				
" Scott street	136 73	14 50		14 50	
" Whitelock street	407 09				
" an alley 10 feet wide, McKim to Hillman streets	40 10				
" Fifth lane	55 46				
" Pinckney street	112 20				
" Barclay street	421 68				
" Eastern avenue	43 75				
" Calhoun street	3,585 92	6,116 82	2,414 45	3,347 37	355 00

Opening Cannon street	6,230 58	6,230 58	3,463 98	2,766 60	
" Johnson street	229 92				
" John street	843 75	2,201 00	2,201 00		
" Lawrence street	274 51				
" Tennant street	10 00				
" Burke street	301 07	3,922 39		3,922 39	
" Broadway		367 37		367 37	
" Fairmount avenue	450 28	12 37		12 37	
" Ropewalk lane	111 25				
" German street	444 45				
" West street	4,400 00	4,601 83	3,830 33	446 00	325 50
" Brevard street	201 18				
" Ann street	278 30				
" Register street	274 98				
" Baltimore street	1,298 34				
" Hollins street	362 60				
" McCulloh street	1,759 28				
Paving Interest		1,653 68		1,653 68	
" Biddle street	13,478 38	13,945 38		13,945 38	
" Lanvale street	990 25	538 13		538 13	
" Edmondson avenue	985 09	729 61		729 61	
" Bethel street	242 52				
" Chester street	921 73	40 63		40 63	
" McHenry street	346 77	10 64		10 64	
" Oliver street	82 99				
" Orleans street	2,059 02	2,042 90		2,042 90	
" Hoffman street		52 89		52 89	
" Gay street		1,015 91		1,015 91	
" Patterson Park avenue	7,287 21	4,922 20		4,922 20	
" Ostend street		2,730 71		2,730 71	
" Box alley		93 51		93 51	
" Holbrook street		4,533 65		4,533 65	
Amounts carried forward	$10,100,301 34	$16,119,350 91	$5,812,014 33	$5,198,815 03	$5,108,521 55

STATEMENT D—Concluded.

NAMES OF ACCOUNTS.	FACE OF LEDGER. Dr.	FACE OF LEDGER. Cr.	Appropriat'ns.	Received from Collector of Taxes.	Received from Other Sources.
Amounts brought forward	$10,100,301 34	$16,119,350 91	$5,812,014 33	$5,198,815 03	$5,108,521 55
Paving Townsend street		653 82		653 82	
" Cannon street	9,599 09	9,125 96		9,125 96	
" Broadway		229 68		229 68	
" Gold street	818 21	222 67		222 67	
" North avenue	488 69	7,093 09		7,093 09	
" Federal street	1,069 31	599 99		599 99	
" Liberty street		88 02		88 02	
" Hanover street		685 12		685 12	
" Bond street		1,230 05		1,230 05	
" German street		123 87		123 87	
" Washington avenue	8,311 05				
" Wolfe street	13,153 09	12,867 54		12,867 54	
" Mt Royal avenue	5,931 01				
" Monroe street	594 45				
" Harlem avenue	432 06				
" Wilkens avenue	4,226 25	2,197 05		2,197 05	
" Falls road	9,602 57				
" Fulton avenue	6,841 90	15,680 73	963 27	14,717 46	
" Madison avenue	5,942 36				
" Clement street	31 80				
" Millington avenue	198 11	200 00	200 00		
City Annex.					
Public Schools	7,098 43	7,102 40	7,102 40		
Public School Salaries	58,873 15	58,873 15	58,873 15		

Maryland Hospital for the Insane	487 50				
Cleaning Streets	13,248 87	8,429 76	8,429 76		
Health—Salaries	2,599 80	2,600 00	2,600 00		
Nuisances	1,210 26	1,225 00	1,225 00		
Fire Department	24,386 27	16,206 75	16,206 75		
Repairs City Property	2,938 44	2,940 00	2,940 00		
Repairs Streets, Roads, &c	8,774 75	8,676 80	8,676 80		
Gas and Electric Lights	3,430 00	3,430 00	3,430 00		
Lamp Pillars and Lamps	1,960 00	1,960 00	1,960 00		
Lamplighters	8,970 00	4,395 30	4,395 30		
Shelling Franklin road	477 16	500 00	500 00		
Shelling North avenue	1,943 94	2,000 00	2,000 00		
Shelling Carroll avenue	149 69	150 00	150 00		
Shelling Maiden Choice road	157 71	200 00	200 00		
Graveling North avenue	386 35	400 00	400 00		
Foot-bridge—Union avenue	105 37	125 00	125 00		
Foot-bridge—Gwynn's run	227 98	300 00	300 00		
Repairing streets	946 86	950 00	950 00		
Clipper Bridge	194 72	200 00	200 00		
City Collector	1,046 74	1,191 67	1,191 67		
Taxes in arrears for 1888	3,087 85	52,196 45			52,196 45
Interest	1,944 84	1,944 84		1,944 84	
Direct tax		86,256 16		86,256 16	
Purchase of property in annexed territory	106,086 84	106,086 84	106,086 84		
Special assessment	615 92	615 92	615 02		
Refunded taxes	85 50				
Mayor and City Council	6,041,736 19				
Cash	10,497,568 35	10,418,976 23			
Totals	$26,958,280 77	$26,958,280 77	$6,041,736 19	$5,336,850 35	$5,160,718 00

STATEMENT E.

Receipts and Disbursements from December 31, 1888, to December 31, 1889.

	Receipts.	Disbursements.
January	$ 326,264 21	$ 961,061 10
February	1,037,081 40	546,181 82
March	678,236 24	707,648 21
April	585,419 19	667,776 49
May	704,791 52	1,327,779 22
June	1,611,661 13	1,402,615 91
July	1,979,935 55	989,517 63
August	320,856 68	602,579 39
September	217,243 90	532,715 98
October	646,583 64	682,441 85
November	1,274,062 68	1,448,913 00
December	1,115,432 21	549,745 63
	$10,497,568 35	$10,418,976 23
Balance Dec. 31, 1888	$293,956 00	
" " 1889		372,548 12
	$10,791,524 35	$10,791,524 35

STATEMENT .

Statement Showing the Monthly Returns of the "Keepers of the Standards of Weights and Measures," from March 1, 1889, to December 31, 1889.

1889.	N. W. District.	S. W. District.	N. E. District.	S. E. District.	Totals.
March	$406 99	$454 01	.....	$768 32	$1,629 32
April	470 14	403 73	$458 93	198 24	1,531 04
May	578 41	460 45	728 14	185 24	1,952 24
June	392 10	406 63	301 13	139 82	1,239 68
July	211 68	247 16	19 04	25 24	503 12
August	193 83	201 21	167 40	253 20	815 64
September	51 17	78 00	31 41	20 58	181 16
October	12 24	.....	30 70	42 34	85 28
November	25 96	26 60	26 35	22 81	101 72
December	50 11	18 10	21 64	19 47	109 32
Totals	$2,392 63	$2,295 89	$1,784 74	$1,675 26	$8,148 52

COMMUNICATIONS.

BALTIMORE, December 31, 1889.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The appropriations required for this Department for the year 1890 are as follows:

For repairs of public school houses.....	$10,000 00
" substituting wood or iron for plaster ceilings.....	3,000 00
" painting school houses	5,000 00
" emptying cess-pools.....	1,400 00
" incidental expenses, livery and repairs to wagons.....	700 00
" salaries.....	5,500 00
" repairs of city property.....	22,000 00
" sanitary improvements.....	3,000 00
" extra out-door help.....	500 00
" changing stalls at No. 3 and new floor for No. 10 engine house.....	1,300 00
" new pavement for Centre Fish Market.....	2,000 00
	$54,400 00
For repairs to school and engine houses in the Annex	5,000 00
	$59,400 00

CITY PROPER.

Gas and electric light account		$ 250,340 50
Lamp-pillars and lamp account		15,449 20
Keep of horse and wagon for General Superintendent		300 00
Incidentals, office sundries, postage, and advertising		200 00
		$ 266,289 70

CITY ANNEX.

Gas and electric light account		$ $8,737 50
Lamp-pillar and lamp account		6,055 38
Deficiency for 1889 in City Annex		$ 3,794 23

ESTIMATED RECEIPTS.

Inspecting and sealing gas meters	$2,500 00	
Damages recovered for breakage of lamps	75 00	
		$ 2,575 00

Very respectfully yours,

W. Stuart Symington,

General Superintendent of Lamps, &c.

BALTIMORE, January —, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is an estimate for the Fire Department for the year 1890:

Salaries	$156,200 00
Apparatus	7,500 00
Apparatus repairs	5,000 00
Accident	2,500 00
Feed	10,000 00
Fuel	3,000 00
Furniture	1,500 00
Harness	800 00
Horseshoeing	1,800 00
Hose and suction sleeves	9,000 00
Horses	5,000 00
Ground rent	804 25
Gas	1,200 00
Oils, grease, &c	2,000 00
Office expenses, including printing report and messenger's salary	1,000 00
Rent of telephones	700 00
Miscellaneous	1,000 00
Washing	1,500 00
Life insurance	3,000 00
Sick account	1,000 00
Pensioned firemen	4,000 00
Police and Fire Alarm Telegraph	18,975 00
	$237,479 25

Respectfully,

J. ALEX. PRESTON,

President.

Estimate for City Annex 1890.

Deficiency for 1889	$ 3,860 82
Salaries	15,400 00
Apparatus repairs	1,500 00
Accident	600 00
Feed	2,400 00
Fuel	400 00
Furniture	500 00
Harness	500 00
Horseshoeing	500 00
Hose	300 00
Horses	1,500 00
Rent	600 00
Gas	150 00
Oils, grease, &c	1,000 00
Rent of telephones	50 00
Miscellaneous	300 00
Washing	150 00
Life insurance	325 00
Sick account	200 00
Police and Fire Alarm Telegraph	5,000 00
	$35,235 82

Respectfully,

J. Alex Preston,

President.

Baltimore, January 7, 1890.

John A. Robb, Esq., *City Register:*

Dear Sir—The following is the estimated expenses of the Criminal Court, Record Office, and grounds, required for the year 1890:

Superintendent's salary	$1,200 00
Watchman's salary	1,000 00
Janitor Criminal Court	350 00
Janitor Court Common Pleas	350 00
Janitoress for ladies' room	300 00
Charwoman, cleaning and scrubbing	300 00
100 tons of coal for Criminal Court, Superior, Common Pleas, Jury, Grand Jury, witness room, clerk's offices, at $5	500 00
50 tons of coal for Record Office, at $5	250 00
6 cords of kindling wood, same as for coal, at $8	48 00
Gas for Criminal Court buildings, basements, and offices	200 00
Ice for Criminal, Superior, Common Pleas, jury rooms, offices, etc	150 00
Ice coolers and repairing	40 00
Removing ashes and refuse	100 00
Whitewashing the basement Court House, yard and engineer's room, Record Office	75 00
Gas fixtures, globes, and repairs Criminal, Superior, Common Pleas offices, and Record Office, etc	100 00
Locks, keys and repairs	20 00
Window curtains and awnings	60 00
Brooms, buckets, brushes, mops, towels, soap, soda, etc	100 00
New furniture, chairs, desks, etc	140 00
Carpets, oilcloth and linoleum	125 00
Repairing furniture	50 00
Repairing furnaces, stoves and grates	100 00
	$5,558 00

Respectfully submitted,

JOHN D. COOK,

Superintendent Criminal Court.

OLD MASONIC HALL BUILDING.

JOHN A. ROBB, ESQ., *City Regester:*

DEAR SIR—The following is the estimate of the expense of this Department for the year ending December 31, 1890:

Janitor's salary	$1,000 00
Watchman's salary	900 00
Cleaning courts, &c	650 00
Coal, 65 tons, at $5 per ton, and 2 cords wood, $7 per cord	346 00
Gas	100 00
Ice	90 00
Cleaning carpets, &c	31 00
Repairs to furniture and stoves, cleaning, &c.	75 00
New furniture, chairs, carpets, mats, hose, &c.	100 00
Brushes, brooms, buckets, soap, globes, chimneys, shades, &c	57 00
Washing towels	30 00
Cleaning water closet	20 00
Whitewashing offices, water closet, &c.	14 00
Removing ashes and refuse	13 00
Two large stove fenders (or shades) for old Circuit Court	25 00
Incidentals	50 00
	$3,501 00

Respectfully submitted,

JAMES DONNELLY,

Superintendent.

CLAYTON BUILDING—CIRCUIT COURT NO. 2.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expense for the year ending December 31, 1890:

Cleaning court offices, &c	$ 468 00
Coal, 20 tons, at $5 per ton, and 2 cords wood, at $7 per cord	114 00
Ice	50 00
Gas	25 00
Brushes, brooms, hose, soap, &c	30 00
Repairs to furniture, stoves, &c	25 00
Cleaning carpets	15 00
Hauling ashes and refuse	7 00
Incidentals	10 00
	$744 00

Respectfully submitted,

JAMES DONNELLY,

Superintendent.

BALTIMORE, January 6, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expenses of this Department for the year ending December 31, 1890:

Gas and Incandescent lights	$ 3,800 00
Coal and Wood	2,500 00
Cleaning City Hall	7,320 00
Repairs to furniture and gas fixtures	1,000 00
Ice	500 00
Brushes, buckets, soap, &c	300 00
Removing ashes, &c	150 00
Winding tower clock and fire-alarm striker, and regulating all clocks in the hall, batteries, &c	500 00
Laborer	720 00
New furniture	150 00
Window shades	50 00
Incidentals	300 00
Cleaning and relaying carpets and draperies.	350 00
New carpets, rugs, &c	300 00
	$17,940 00

Respectfully submitted,

W. P. RYAN,

Superintendent City Hall.

BALTIMORE, January 8, 1890.

The Appeal Tax Court will require for 1890 four hundred and fifty dollars ($450) for incidental expenses.

H. P. MOWINCKEL,

Clerk.

BALTIMORE, January 7, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following estimates for the expenses of the Health Department for the year 1890 have been carefully made up, and are based upon the experience of absolute necessities:

Salaries	$32,300 00
General health	15,000 00
Nuisance and sewers	15,000 00
Quarantine Hospital	18,000 00
Post mortems (by ordinance)	1,000 00
	$81,300 00

CITY ANNEX.

4 sanitary inspectors, $500 each	$2,000 00
2 vaccine physicians, $300 each	600 00
Removing dead animals, nuisance and sewers	2,500 00
	$5,100 00

Respectfully submitted,

JAMES A. STEUART, M. D.,

Commissioner of Health.

BALTIMORE, January 10, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The following is the estimate of the expenses for the Department of Street Cleaning for the year 1890:

136 garbage carts and men at $18 per week.	$127,296 00
56 street carts and men at $18 per week...	52,416 00
125 sweepers and scrapers at $10 per week.	65,000 00
Contract for removal of garbage.....	8,500 00
Salaries.....	9,000 00
Dumps.....	4,500 00
Tools and incidentals.....	1,850 00
	$268,562 00

City Annex.

11 garbage carts and men at $18 per week..	$10,296 00
3 street carts and men at $18 per week.....	2,808 00
6 sweepers and scrapers at $10 per week....	3,120 00
Salary of Superintendent.....	1,000 00
Tools.....	60 00
	$17,284 00

Respectfully submitted,

B. E. SMITH,

Commissioner of Street Cleaning.

BALTIMORE, January 13, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—I have the honor to state that the Harbor Board will recommend appropriations for 1890 as below:

Harbor		$50,000 00
City ice-boat:		
Unexpended balance	$2,505 26	
New appropriation	7,494 74	
		10,000 00
Repairs of Wharves:		
Unexpended balance	$1,282 07	
New appropriation	1,217 93	
		2,500 00
Sea Wall at Little Hawkins' Point		1,500 00
		$64,000 00

Respectfully, &c.,
N. H. HUTTON,
Engineer.

BALTIMORE, January 14, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—The estimated expenses for the Board of Supervisors of Elections for the year 1890 are as follows:

For salaries	$4,750 00
For extra help and incidentals	1,250 00
	$6,000 00

By order of the Board,
H. W. B. REID,
Clerk.

BALTIMORE, January 6, 1890.

JOHN A. ROBB, ESQ., *City Register:*

DEAR SIR—Herewith I respectfully submit estimates for salaries of City Collector and employees in his department, incidental expenses of Tax Department and employees of the Appeal Tax Court, for the fiscal year ending December 31, 1890, aggregating $55,200:

1 City Collector	$ 2,000 00
1 Deputy Collector	1,800 00
1 Cashier	1,600 00
1 Assistant Cashier	1,400 00
1 Book-keeper	1,600 00
1 General Cash and Book-keeper	1,600 00
1 Transfer Clerk	1,300 00
1 Piece Clerk	1,300 00
13 Ledger Clerks, at $1,300 each	16,900 00
Incidental expenses of the City Collector's office	2,500 00
Salaries of Judges and employees of Appeal Tax Court.	
3 Judges, at $1,800 each	$ 5,400 00
1 Chief Clerk	1,600 00
1 Assistant Clerk	1,200 00
1 Assessor of new Improvements	1,400 00
2 Assessors of old Real Estate, at $1,200 each	2,400 00
1 Clerk to Assessors	1,200 00
28 Assessors of Personal Property	10,000 00

Respectfully,

J. T. M. BARNES,

Deputy Collector.

CITY COMMISSIONER'S DEPARTMENT,

January 2d, 1890.

Amounts required for the City Commissioner's Department for the year ending 31st December, 1890:

On what account.	Amounts.
Repairs of sewers and inlets	$10,000 00
Repairs of bridges	6,000 00
Repairs of paved streets	80,000 00
Repairs of unpaved streets	2,000 00
Flag and stepping stones	10,000 00
Paving and repaving in front of City property	1,000 00
*Paving and repaving cross streets	25,000 00
Salaries	9,000 00
Livery	1,000 00
Incidentals	100 00
Maintenance of floor of St. Paul street bridge	946 27
" " " Calvert " "	536 05
" " " Biddle " "	259 68
Repairs of streets, roads, bridges, &c., in the annex	25,000 00
	$170,842 00

*$15,500 are actually due now.

A. E. SMYRK,
City Commissioner.

Approximate Estimate for 1890.—*City's proportion for opening streets.*

Carroll street, from Cross to Stockholm	$ 2,518 76
Townsend street, from Caroline to Broadway	10,827 78
Beason street, from Hull to Andre	2,185 83
Etting street, from Roberts to Laurens	1,182 78
Amount carried forward	$16,715 15

Amount brought forward	$16,715 15
Oliver street, from Aisquith to Harford avenue	9,616 99
Burke street, from Baltimore to Monument	14,193 83
Nanticoke street, from Cross to Stockholm	1,177 19
Richardson street, from Fort avenue to Beason	1,006 59
Clement street, from Hull to Garrett avenue	5,816 29
Mosher street, from Kirby's lane to Western City limits	8,602 20
Madison street, from Wolfe to Washington	4,804 14
Lanvale street, from Bond to Wolfe	10,936 50
Calhoun street, from Cemetery lane to Winchester	4,878 21
Carey street, from Cemetery lane to Winchester	4,812 05
Carrollton avenue, from Mosher to Winchester	5,571 87
Cooksie street, from Clement to Cuba	288 24
Scott street, from its present terminus to Ridgely street	3,525 94
Fairmount avenue, from Patterson Park avenue to Luzerne	17,160 04
Wooster street, from Washington to Nanticoke	4,780 18
	$113,885 41

Respectfully submitted,

C. L. Goodwin.

REPORT OF

THE DEPARTMENT OF FINANCE

FOR THE YEAR 1889.

REPORT.

DEPARTMENT OF FINANCE,

BALTIMORE, December 31st, 1889.

To the Honorable the Members of the
First and Second Branches of the City Council:

GENTLEMEN:

The Commissioners of Finance have the honor to submit herewith, for your consideration, statements in detail exhibiting their transactions during the year, as follows:

1. A summary of receipts and payments on account of the various Sinking Funds.

2. A statement of stocks purchased for the Sinking Funds.

3. A statement showing the condition of the Redemption and Sinking Funds.

4. A statement of the condition of the Enoch Pratt Free Library Sinking Fund.

5. A statement of the condition of the Horwitz Benevolent Fund.

6. A schedule of the real estate and ground rents from which income is derived.

7. A statement of the Funded and Guaranteed Debt.

8. A balance sheet of the Sinking Funds' ledger.

9. A statement of the indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore.

10. A statement of the total liabilities of the Western Maryland Railroad Company.

The matters embraced in the foregoing are exhibited under the respective heads in a detailed form in the Appendix to this report.

1—RECEIPTS AND PAYMENTS.

The receipts have been derived as follows:

From Baltimore and Ohio Railroad Company on account of purchase of Pittsburg and Connellsville Railroad bonds.....	$	40,000 00
Amount carried forward.		$40,000 00

Amount brought forward	$ 40,000 00
From interest upon stocks and investments.....	332,483 75
From rental of real estate	25,040 77
From sales of fractions of stock.....	189 05
From sale of $600 Philadelphia and Reading Railroad scrip.....	364 50
From the City Passenger Railway Companies...	21,148 07
From Western Maryland Railroad Company for rent of Hillen Station, under Ordinance No. 97 of 1875.....	16,000 00
From Western Maryland Railroad Company for rent of terminal depot, under Ordinance No. 92 of 1882	9,181 47
From premium on sale of $200,000 Water 1926 loan.....	18,000 00
From premium on sale of $500,000 Internal Imment 1928 loan.....	15,000 00
From City Collector for Water 1926 loan Sinking Fund	9,365 32
Amount carried forward	$486,772 93

Amount brought forward	$ 486,772 93	
From City Collector for Internal Improvement 1928 loan Sinking Fund	9,365 32	
From City Register, in trust for Five Million Loan Sinking Fund..	1,723,454 26	
From Baltimore and Ohio Railroad Company, on account of the redemption of the Five Million 1890 loan.....	2,429,267 29	
From cash to credit of Sinking Funds, Dec'r 31, 1888.....	187,732 81	
		$4,836,592 61

The payments have been as follows:

For investment purchases	$ 464 971 39	
For interest on Western Maryland Railroad 6 per cent. 1902 loan....	60,000 00	
For interest on Western Maryland Railroad 3rd mortgage guaranteed bonds	52,605 00	
For redemption of One Million 1886 loan.....	400 00	
For redemption of Westtern Maryland Railroad bonds and scrip..	30 00	
Amounts carried forward	$ 578,006 39	$4,836,592 61

Amounts brought forw'd.	$578,006 39	$4,836,592 61
For sundry expenses (as detailed in statement No. 1 of Appendix)...	2,431 26	
		580,437 65
Cash in bank to credit of funds		$4,256,154 96

2—INVESTMENT PURCHASES OF STOCK.

This statement is submitted in obedience to Article XLII, Section 13, of the Baltimore City Code, and exhibits in detail the purchase of stocks amounting to $423,811.12, at an average cost of $109.71 per cent., the total cost of said purchase being.....	$464,971 39

3—THE REDEMPTION AND SINKING FUNDS.

Exhibiting in detail the amount and condition of the investments of the funds, as shown by the books of the Commissioners of Finance, as follows:

General Sinking Fund..	$5,567,213 19
Public Park Sinking Fund.....	710,538 44
Western Maryland Railroad 1925 Loan Sinking Fund.....	50,328 40
Amount carried forward,	$6,328,080 03

Amount brought forward		$6,328,080 03
Western Maryland Railroad 1927 Loan Sinking Fund		107,213 25
Hillen Station Sinking Fund		34,464 28
Western Maryland Railroad Terminal Company Sinking Fund		9,124 21
Water 1926 Loan Sinking Fund		52,763 70
Internal Improvement 1928 Loan Sinking Fund		20,846 12
		$6,552,491 59

OTHER PRODUCTIVE INVESTMENTS.

Real estate as shown in Statement No. 6, from which an annual rental of $10,225.11 is derived, capitalized at six per cent., is worth.	$170,418 50	
550 shares Baltimore and Reisterstown Turnpike stock	2,062 50	
137 shares Baltimore and Frederick Turnpike stock	456 66	
625 shares Baltimore and York Turnpike stock	3,125 00	
		176,062 66
Amount carried forward.		$6,728,554 25

Amount brought forward,		$6,728,554 25
Unproductive Investments.		
32,500 shares of Baltimore and Ohio Railroad stock.....	$3,250,000 00	
4,000 shares of Western Maryland Railroad stock.....	200,000 00	
Western Maryland Railroad Company's mortgage, to secure endorsement	875,000 00	
Western Maryland Railroad Company's mortgage loan of City stock	1,000,000 00	
Western Maryland Railroad Company accrued interest advanced.....	2,380,500 00	
Philadelphia and Reading Railroad 3d preference income bonds..	83,000 00	
10,000 shares Valley Railroad Company's stock.	1,000,000 00	
120 shares Baltimore and Havre de Grace Turnpike stock.....	No value.	8,788,500 00
		$15,517,054 25

INCREMENT OF THE SINKING FUNDS.

The increment of the sinking funds from December 31, 1888, to December 31, 1889, amounting to			$258,537 07
Was derived thus:			
From interest upon investments		$284,582 25	
From rent of Hillen Station	$16,000 00		
Less amount set apart for sinking fund	2,000 00	14,000 00	
From rent of W. M. R. R. Terminal Co. depot	9,181 47		
Less amount set apart for sinking fund	1,311 60	7,869 87	
From the City Passenger Railway Companies		21,148 07	
From rental of real estate		25,040 77	
From sale of $600 Philadelphia and Reading Railroad scrip		364 50	
Amount carried forward.		$353,005 46	

Amount brought forw'd..	$353,005 46	
From premium on sale of $200,000 Water 1926 Loan.....	18,000 00	
From premium on sale of $500,000 Internal Improvement 1928 Loan.	15,000 00	
From City Collector for Water 1926 Loan sinking fund	9,365 32	
From City Collector for Internal Improvement 1928 Loan, sinking fund	9,365 32	
		$404,736 10
Deduct:		
Amount paid for interest on Western Maryland Railroad 1902 Loan...	$60,000 00	
Amount paid for interest on Western Maryland 3d Mortgage bonds...	52,605 00	
Amount paid for premium on stock purchased...	30,762 77	
Amount paid for redemption of One Million 1886 Loan.....	400 00	
Amount paid for sundry expenses.....	2,431 26	
		146,199 03
		$258,537 07

And disbursed as shown by Statement No. 1 of Appendix.

4—ENOCH PRATT FREE LIBRARY SINKING FUND.

This statement shows the condition of the Enoch Pratt Free Library Sinking Fund on December 31st, 1889, under the control of the Commissioners of Finance, who are required "to invest the interest upon the investments in the sinking fund, and the interest upon the interest, as the same shall be received, in the public debt of the City of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." (Article 38 A, Section 8, Supplement to City Code of 1885).

5—THE HORWITZ BENEVOLENT FUND.

This statement shows the condition of the Horwitz Benevolent Fund, under the management of the Commissioners of Finance, who, on December 28th, 1888, under authority of Resolution No. 7, of the Mayor and City Council of Baltimore, approved December 8th, 1888, accepted from the executors of Orville Horwitz, upon the terms and conditions contained in the last will and testament of said Orville Horwitz, late of Baltimore City, deceased, the sum of ten thousand dollars, which, with its increments, is, in the said last will and testament, directed to be known as the "Horwitz Benevolent Fund."

6—REAL ESTATE AND GROUND RENTS.

The schedule of real estate and ground rents presented in this form for convenience of reference embraces only so much of the City property as is in con-

trol and shown upon the books of this Board, and from which income is derived from rentals.

The income derived from the public wharves and other valuable property being applied to current expenditures, does not appear in these accounts. (City Code, Article XLII, Section 14).

7—THE FUNDED DEBT AND GUARANTEES.

These issues at the present date amount to		$37,730,107 70
On December 31, 1888, they amounted to		37,030,537 70
Showing an increase during the past fiscal year of		$ 699,570 00

Thus:

Amount of water 4 per cent. 1926 Loan issued.	$200,000 00		
Amount of internal improvement 3½ per cent. 1928 Loan issued	500,000 00		
	$700,000 00		
Less amount of one million 1886 Loan redeemed	$400 00		
Less amount of W. Md. R. R. Bonds and scrip redeemed.	30 00		
		430 00	
			$699,570 00

INCREASE OF FUNDED DEBT AUTHORIZED.

The Jones' Falls Loan, by Ordinance No. 12 of 1870	$ 28,000 00	
The water 1926 Loan, by Ordinance No. 99 of 1887	400,000 00	
The internal improvement Loan of 1928, authorized by Ordinance No. 98 of 1887.	4,500,000 00	
		$4,928,000 00

THE FINANCIAL CONDITION OF THE CORPORATION.

Amount of funded debt, December 31, 1889	$36,738,107 70	
Amount of guaranteed debt, December 31, 1889	992,000 00	
		$37,730,107 70
Of this amount interest is provided or paid as follows:		
Baltimore and Ohio Railroad Company upon	$ 5,000,021 55	
Western Maryland Railroad Company upon	2,388,000 00	
The city passenger railway companies upon	755,566 25	
The Water Board upon	10,100,000 00	
Amounts carried forward	$18,243,587 80	$37,730,107 70

Amounts brought forw'd	$18,243,587 80	$37,730,107 70
The Union Railroad Company upon	117,000 00	
The Commissioners of Finance upon	1,875,000 00	
Overdue stock, no interest allowed	5,927 96	
Overdue Western Maryland Railroad Bonds and Scrip, no interest allowed	2,900 00	
		20,244,415 76
Leaving the amount on which interest is paid by taxation at		$17,485,691 94

Productive investments.

Value of sinking funds	$ 6,552,491 59	
550 shares of Baltimore and Reisterstown Turnpike Stock	2,062 50	
137 shares of Baltimore and Frederick Turnpike Stock	456 66	
625 shares of Baltimore and York Turnpike Stock	3,125 00	
Amount carried forward	$6,558,135 75	

Amount brought forw'd.		$6,558,135 75	
Real estate, annual rental.....	$10,225 11		
Wharf property, annual rental.....	38,000 00		
Market houses annual rental	50,000 00		
	$98,225 11		
Which provides interest upon		1,637,085 16	
			$ 8,195,220 91

Unproductive investments.

32,500 shares Baltimore & Ohio Railroad stock.	$ 3,250,000 00	
4,000 shares Western Md. Railroad Stock.....	200,000 00	
Mortgages of Western Maryland Railroad Co. to secure endorsements and loan of City stock.	3,579,000 00	
Accrued interest advanced for Western Maryland Railroad Co.	2,380,500 00	
Amount carried forward.	$9,409,500 00	

Amount brought forw'd..	$9,409,500 00	
83,000 Philadelphia and Reading Railroad 3d mortgage preference income bonds.....	83,000 00	
10,000 shares Valley Railroad Company's stock	1,000,000 00	
120 shares Baltimore and Havre de Grace Turnpike stock.....	No value.	
		$10,492,500 00

The foregoing statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the corporation, and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the past year.

They show the receipts from all sources to have been		$ 4,836,592 61
And the disbursements to have been as follows:		
For investment purchases (see Statement No. 2 Appendix)	$ 464,971 39	
Amounts carried forward	$464,971 39	$4,836,592 61

Amounts brought forw'd.	$464,971 39	$4,836,592 61
For interest paid on Western Md. Railroad 6 per cent. 1902 Loan.	60,000 00	
For interest paid on Western Md. Railroad 6 per cent. 3d mortgage bonds	52,605 00	
For redemption of One Million 1886 Loan	400 00	
For redemption of Western Maryland Railroad scrip	30 00	
For sundry expenses	2,431 26	
		580,437 65
Balance, amount in bank to credit of funds		$4,256,154 96

The present value of the sinking funds is	$ 6,552,491 59
The value of the same on December 31, 1888 was	6,293,954 52
Thus showing the increase during the year to have been	$ 258,537 07

A sale of $500,000 Internal Improvement 3½ per cent. 1928 Loan was made by public advertisement, inviting competitive bids, on July 3, 1889, at a premium of $15,000.

A sale of $200,000 Water 4 per cent. 1926 Loan was

made by public advertisement, inviting competitive bids, on October 31, 1889, at a premium of $18,000.

The Commissioners of Finance have received from the City Register $1,723,454.26, being the proceeds of sales of stocks and bonds (excepting $847,300 Five Million 1890 Loan held for redemption) contained in the Five Million Loan Sinking Fund held by him in trust, and from the Baltimore and Ohio Railroad Company, $2,429,267.29, amounting in all to $4,152,721.55 for the purpose of redeeming the Five Million six per cent. Loan to the Baltimore and Ohio Railroad Company, maturing January 1st, 1890, which sum added to the $847,300 stock held for redemption will make $5,000,021.55, the total amount of stock outstanding on December 31st, 1889.

This Board will therefore commence the redemption of the said loan at the Register's Department, City Hall, on January 2d, 1890.

Respectfully submitted,

ROBERT C. DAVIDSON, *Chairman*,
ENOCH PRATT,
JAMES SLOAN, JR.,
Commissioners of Finance.

JOHN A. ROBB,
Clerk to Commissioners of Finance.

APPENDIX.

STATEMENT

DR. *The Commissioners of Finance in account*

To balance, amount in bank to credit of sinking funds December 31, 1888		$187,732 81
To General Sinking Fund:		
From sales of fractions of stock	$ 189 05	
From interest on stocks and investments	239,795 75	
From rental of real estate	25,040 77	
From rental of Hillen Station	14,000 00	
From rental of Western Maryland Railroad, Terminal Depot	7,869 87	
From Baltimore and Ohio Company for account of sale of Pittsburg and Connellsville Railroad Bonds	40,000 00	
From sale of $600 Philadelphia and Reading Railroad Scrip, at 61 less commission	364 50	
		327,259 94
Amount carried forward.		$514,992 75

No. 1.

with the Mayor and City Council of Baltimore. CR.

By General Sinking Fund:		
For fractions of City stock	$ 411 12	
For $33,000 Consolidated 6 per cent. 1890 Loan.	34,879 27	
For $200,000 Water 4 per cent. 1926 Loan	218,000 00	
For $34,000 Jones' Falls' 3 per cent. 1900 Loan.	34,000 00	
For one year's interest on Western Maryland Railroad 6 per cent. 1902 Loan	60,000 00	
For one year's interest on Western Maryland Railroad 6 per cent. quarterly bonds	52,605 00	
For redemption of One Million 1886 Loan	400 00	
For printing reports, books, advertising, &c.	704 30	
For clerical services	300 00	
For sundry expenses	355 00	
		$401,654 69
Amount carried forward		$401,654 69

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forward.		$514,992 75
To Public Park Sinking Fund:		
From interest on stocks.	$36,674 50	
From City Passenger Railway Company....	6,447 61	
From York Road Passenger Railway Company	305 37	
From Central Passenger Railway Company....	1,569 03	
From North Baltimore Passenger Railway Company.....	4,578 86	
From People's Passenger Railway Company....	1,987 01	
From Citizen's Passenger Railway Company....	3,896 59	
From Union Passenger Railway Company....	2,290 38	
From Highlandtown and Point Breeze Railway Company	73 22	
		$57,822 57
Amount carried forward.		$572,815 32

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr

Amount brought forw'd.		$401,654 69
By Public Park Sinking Fund:		
For $20,200 Five Million 6 per cent. 1890 Loan..	$20,624 25	
For $7,300 Consolidated 6 per cent. 1890 Loan..	7,504 00	
For $6,400 Park Improvement 6 per cent. 1895 Loan.....	7,216 00	
For $5,000 Water 5 per cent. 1894 Loan.....	5,470 00	
For $15,000 Consolidated 6 per cent. 1893 Loan..	16,237 50	
For $5,000 Western Maryland Railroad 6 per cent. 1925 Loan...	5,575 00	
For $500 Jones' Falls 3 per cent, 1900 Loan...	500 00	
		63,126 75
Amount carried forward.		$464,781 44

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forw'd.	$572,815 32
To Western Maryland Railroad 1925 Loan Sinking Fund:	
From interest on stocks.	2,486 00
To Western Maryland Railroad 1927 Loan Sinking Fund:	
From interest on stocks.	3,589 00
Amount carried forward.	$578,890 32

No. 1.—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amount brought forw'd.		$464,781 44
By Western Maryland Railroad 1925 *Loan Sinking Fund:*		
For $800 City Hall 6 per cent. 1900 Loan.....	978 00	
For $700 Western Maryland Railroad 6 per cent. 1902 Loan.....	876 75	
		1,854 75
By Western Maryland Railroad 1927 *Loan Sinking Fund:*		
For $700 Funding 6 per cent. 1900 Loan.....	$848 75	
For $700 City Hall 6 per cent. 1900 Loan.....	848 25	
For $100 City Hall 6 per cent. 1902 Loan.....	125 25	
For $100 Jones' Falls 6 per cent. 1900 Loan...	121 75	
For $1,500 Western Maryland Railroad 6 per cent. 1902 Loan...	1,878 75	
		3,822 75
Amount carried forward.		$470,458 94

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forward.		$578,890 32
To Western Maryland Railroad Terminal Company Sinking Fund:		
From interest on stocks..	$469 00	
From Western Maryland Railroad Company, one-seventh rent of depot.....	1,311 60	
		$1,780 60
To Hillen Station Sinking Fund:		
From interest on stocks..	$1,670 50	
From Western Maryland Railroad Company, one-eighth rent of station	2,000 00	
		3,670 50
Amount carried forward.		$584,341 42

No. 1.—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amt. brought forward.			$470,458 94
By Western Maryland Railroad Terminal Company Sinking Fund:			
For $1,000 Water 5 per cent. 1916 Loan.....	$	1,277 50	
For $300 Western Maryland Railroad Comp'y 5 per cent. 1902 Loan..		366 75	
			$1,644 25
By Hillen Station Sinking Fund:			
For $900 Water 5 per cent. 1894 Loan.....	$	985 50	
For $900 Funding 6 per cent. 1900 Loan.....		1,084 50	
For $500 Western Maryland Railroad 6 per cent. 1902 Loan.....		611 25	
For $300 Water 5 per cent. 1916 Loan.....		375 00	
			$3,056 25
Amount carried forward.			$475,159 44

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought for'd.		$584,341 42
To Water 1926 *Loan Sinking Fund:*		
From interest on stocks..	$1,805 00	
From City Collector by tax levy	9,365 32	
From premium on sale of $200,000 Water 1926 Loan	18,000 00	
		29,170 32
To Internal Improvement 1829 *Loan Sinking Fund:*		
From interest on stocks..	$232 00	
From City Collector by tax levy	9,365 32	
From premium on sale of $500,000 Internal Improvement 1928 Loan..	15,000 00	
		24,597 32
Amount carried forward.		$638,109 06

No. 1.—Continued.

with the Mayor and City Council of Baltimore. CR.

Amount brought forw'd.		$475,159 44
By Water 1926 *Loan Sinking Fund:*		
For $400 Jones' Falls 6 per cent. 1900 Loan...	$ 487 00	
For 1900 City Hall 6 per cent. 1902 Loan.....	2,379 75	
For $1,500 Western Maryland Railroad 3½ per cent. 1927 Loan.....	1,481 25	
For $4,100 Water 5 per cent. 1894 Loan.....	4,489 50	
For $15,000 Funding 6 per cent. 1900 Loan....	18,037 50	
For advertising.....	225 01	
		$27,100 01
By Internal Improvement 1928 *Loan Sinking Fund:*		
For $6,600 Western Maryland Railroad 3½ per cent. 1927 Loan.....	$ 6,529 00	
For $1,800 Water 5 per cent. 1916 Loan.....	2,299 50	
For $5,800 Funding 5 per cent. 1916 Loan.....	7,409 50	
Amounts carried forward.	$16,238 00	$502,259 45

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forw'd.	$638,109 06
To Horwitz Benevolent Fund:	
From interest on stocks..	289 50
Amount carried forward.	$638,398 56

No. 1—Continued.

with the Mayor and City Council of Baltimore. Cr.

Amounts brought forw'd.	$16,238 00	$502,259 45
For $900 Jones' Falls 6 6 per cent. 1900 Loan.	1,091 25	
For $2,400 Funding 6 per cent. 1900 Loan...	2,903 00	
For $800 City Hall 6 per cent 1900 Loan.....	972 00	
For books, advertising, &c	846 95	
		$22,051 20
By Horwitz Benevolent Fund:		
For $1,800 Funding 6 per cent. 1900 Loan..... $	2,169 00	
For $1,300 City Hall 6 per cent. 1900 Loan...	1,563 25	
For $5,300 Western Maryland Railroad 6 per cent. 1902 Loan...	6,554 25	
		$10,286 50
Amount carried forward.		$534,597 15

STATEMENT

DR. *The Commissioners of Finance in account*

Amount brought forw'd.		$638,398 56
To Enoch Pratt Free Library Sinking Fund:		
From interest on stocks..		$45,472 50
To Redemption of Five Million 1890 *Loan to the Baltimore and Ohio Railroad Company*:		
From City Register in trust for Five Million Loan Sinking Fund...	$1,723,454 26	
From Baltimore and Ohio Railroad Company....	2,429,267 29	
		$4,152,721 55
Amount carried forward.		$4,836,592 61

No. 1.—Concluded.

with the Mayor and City Council of Baltimore. Cr.

Amount brought forw'd.		$534,597 15
By Enoch Pratt Free Library Sinking Fund:		
For $7,400 Consolidated 3 per cent. 1890 Loan..	$7,670 75	
For $2,900 City Hall 6 per cent. 1902 Loan...	3,617 75	
For $2,700 City Hall 6 per cent. 1900 Loan...	3,292 75	
For $6,700 Jones' Falls 6 per cent. 1900 Loan...	8,204 25	
For $800 Western Maryland Railroad 6 per cent. 1902 Loan.....	1,002 00	
For $17,300 Water 5 per cent. 1916 Loan.....	21,651 12	
For $100 Funding 5 per cent. 1916 Loan.....	127 38	
For $200 Funding 6 per cent. 1900 Loan.....	244 50	
		$45,810 50
By redemption of Western Maryland Railroad Bonds:		
For amount of scrip redeemed		30 00
By balance, amount in bank to credit of the Sinking Funds.....		$4,256,154 96
		$4,836,592 61

STATEMENT No. 2.

"The Commissioners of Finance shall invest in City stock all moneys in their hands, or to their credit in bank, received for the sale or rent of City property, pledged for the redemption of the public debt; and shall also invest all moneys that may hereafter be received from the above mentioned sources, as well as all interest accruing thereon, from time to time, and report to the City Council the amount purchased, and the dates and prices at which they were purchased." (Article XLII, Section 13, City Code).

DATE.	SINKING FUND.	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID.
1889.				
Jan. 5	Public Park.....	$ 1,000 00	Five Million 6 per ct. 1890 Loan	$1,018 75
" 7	" "	200 00	" 6 per ct. 1890 "	203 75
" 7	Horwitz Benev. Fund..	1,800 00	Funding 6 per ct. 1900 Loan...	2,169 00
" 7	" " " ..	900 00	City Hall 6 per ct. 1900 Loan..	1,082 25
" 8	Public Park.....	200 00	Five Million 6 per ct. 1890 Loan	203 75
" 9	General.....	6,100 00	Consolidated 6 per ct. 1890 "	6,275 38
" 9	"	56 40	" 6 per ct. 1890 "	56 40
" 9	Horwitz Benev. Fund..	5,000 00	W. Md. R. R. 6 per ct. 1902 "	6,187 50
" 9	" " " ..	400 00	City Hall 6 per ct. 1900 Loan..	481 00
" 11	Public Park.....	5,900 00	Five Million 6 per ct. 1890 Loan	6,032 75
" 14	W. Md. R. R. 1927....	700 00	Funding 6 per ct. 1900 Loan...	848 75
" 14	" "	500 00	City Hall 7 per ct. 1900 " ...	603 75
" 17	Public Park.....	2,100 00	Five Million 6 per ct. 1890 Loan	2,147 25

Jan. 19	"	"	5,600 00	Five Million 6 per ct. 1890 Loan		5,740	00
Feb. 1	Water 1926 Loan		400 00	Jones' Falls 6 per ct. 1900	"	487	00
" 1	W. Md. R. R. 1925		800 00	City Hall 6 per ct. 1900 Loan		978	00
" 7	Pratt Library		4,600 00	Consolidated 6 per ct. 1890 Loan		4,766	75
" 8	"	"	800 00	" 6 per ct 1890	"	829	00
" 8	General		1,200 00	" 6 per ct. 1890	"	1,243	50
" 11	"		8,200 00	" 6 per ct. 1890	"	8,507	50
" 14	"		500 00	" 6 per ct. 1890	"	518	75
" 15	W. Md. 1927 Loan		200 00	City Hall 6 per ct. 1900 Loan		244	50
" 15	"	" "	100 00	Jones' Falls 6 per ct. 1900 Loan		121	75
" 15	General		1,900 00	Consolidated 6 per ct. 1890	"	1,971	25
" 25	"		1,000 00	" 6 per ct 1890	"	1,037	50
Ap'l 2	"		25 00	" 6 per ct. 1890	"	25	00
" 5	Public Park		500 00	Five Million 6 per ct. 1890	"	507	50
" 6	"	"	400 00	Consolidated 6 per ct. 1890	"	411	00
" 8	"	"	4,100 00	" 6 per ct. 1890	"	4,223	00
May 23	General		9 25	" 6 per ct. 1890	"	9	25
June 4	Pratt Library		2,000 00	" 6 per ct. 1890	"	2,075	00
" 4	"	"	2,000 00	City Hall 6 per ct. 1902 Loan		2,495	00
" 5	"	"	900 00	" 6 per ct. 1902	"	1,122	75
" 6	Pratt Library		600 00	Jones' Falls 6 per ct. 1900 Loan		733	50
" 11	"	"	2,100 00	" 6 per ct. 1900	"	2,567	25
" 13	"	"	1,000 00	" 6 per ct. 1900	"	1,222	50
	Am'ts carried forw'd.		$63,790 65			$69,147	53

STATEMENT No. 2—Continued.

DATE	SINKING FUND.	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID.
1889.				
	Am'ts brought forw'd	$63,790 65		$69,147 53
Jun. 14	Pratt Library.....	1,500 00	Water 5 per ct. 1916 Loan.....	1,910 62
" 14	" "	100 00	Funding 5 per ct. 1916 Loan...	127 38
" 18	Public Park.....	2,800 00	Consolidated 6 per ct. 1890 Loan	2,870 00
" 18	" "	4,700 00	Five Million 6 per ct. 1890 "	4,770 50
" 15	Pratt Library.....	3,000 00	Water 5 per ct. 1916 Loan.....	3,817 50
" 20	Public Park.....	6,400 00	Park Impt. 6 per ct. 1895 Loan	7,216 00
" 22	Pratt Library.....	1,800 00	Jones' Falls 6 per ct. 1900 "	2,205 00
" 25	Public Park.....	2,000 00	Water 5 per ct. 1894 Loan.....	2,185 00
July 5	Pratt Library.....	2,300 00	City Hall 6 per ct. 1900 Loan..	2,811 75
" 5	" "	200 00	Funding 6 per ct. 1900 Loan...	244 50
" 5	" "	1,200 00	Jones' Falls 6 per ct. 1900 Loan	1,476 00
" 12	W. Md. 1925 Loan.....	700 00	W. Md. R.R. 6 per ct. 1902 "	876 75
" 12	" 1927 "	1,500 00	" " 6 per ct. 1902 "	1,878 75
" 12	" 1927 "	100 00	City Hall 6 per ct. 1902 Loan	125 25
" 12	Pratt Library.....	800 00	W. Md. R.R. 6 per ct. 1902 "	1,002 00
" 12	Water 1926 Loan.....	1,900 00	City Hall 6 per ct. 1902 Loan..	2,379 75
" 15	Inter. Impt. 1928 Loan.	2,500 00	W. Md. R.R. 3¼ per ct. 1927 Loan	2,468 75

July	15	Water 1926 Loan.....	1,500	00	W. Md. R. R. 3¼ per ct.	1927 Loan	1,481	25
"	18	Inter. Impt. 1928 Loan.	1,100	00	Water 5 per ct. 1916 Loan.....		1,405	25
"	17	" " 1928 " .	3,600	00	W. Md. R. R. 3¼ per ct.	1927 Loan	3,564	00
"	23	" " 1928 " .	500	00	" " 3¼ per ct.	1927 "	496	25
"	29	" " 1928 " .	300	00	Water 5 per ct. 1916 Loan.....		383	25
"	31	" " 1928 " .	5,800	00	Funding 5 per ct. 1916 Loan..		7,409	50
Aug.	6	" " 1928 " .	900	00	Jones' Falls 6 per ct. 1900 Loan		1,091	25
"	16	General.....	1,900	00	Consolidated 6 per ct. 1890 "		1,952	25
"	20	Inter. Impt. 1928 Loan.	1,000	00	Funding 6 per ct. 1900 Loan ..		1,215	00
"	22	General.....	5,000	00	Consolidated 6 per ct. 1890 Loan		5,143	75
"	23	"	1,000	00	" 6 per ct. 1890 "		1,028	75
"	23	Inter. Impt. 1928 Loan.	100	00	Water 5 per ct. 1916 Loan.....		127	75
"	26	General.....	500	00	Consolidated 6 per ct. 1890 Loan		513	75
"	26	"	10	76	" 6 per ct. 1890 "		10	76
"	27	"	500	00	" 6 per ct. 1890 "		514	38
"	28	"	1,200	00	" 6 per ct. 1890 "		1,234	50
"	30	"	900	00	" 6 per ct. 1890 "		925	88
Sept.	6	"	3,900	00	" 6 per ct. 1890 "		4,012	13
"	7	Inter. Impt. 1928 Loan.	800	00	City Hall 6 per ct. 1900 Loan..		972	00
"	7	Inter. Impt. 1928 Loan.	100	00	Funding 6 per ct. 1900 Loan..		121	50
"	17	" " 1928 " .	300	00	Water 5 per ct. 1916 Loan.....		383	25
"	20	Public Park.....	15,000	00	Consolidated 6 per ct. 1893 Loan		16,237	50
Oct.	8	W. Md. R. R. Ter. Co.	1,000	00	Water 5 per ct. 1916 Loan.....		1,277	50
		Am'ts carried forw'd.	$144,201	41			$159,014	43

STATEMENT No. 2—Continued.

DATE.	SINKING FUND.	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID.
1889.				
	Am'ts brought forw'd	$144,201 41		$159,014 43
Oct. 10	Public Park	3,000 00	Water 5 per ct. 1894 Loan	3,285 00
" 10	Hillen Station	900 00	" 5 per ct. 1894 "	985 50
" 10	Water 1926 Loan	4,100 00	" 5 per ct. 1894 "	4,489 50
" 19	Public Park	5,000 00	W. Md. R.R. 4 per ct. 1925 Loan	5,575 00
" 22	Inter. Impt. 1928 Loan.	1,300 00	Funding 6 per ct. 1900 Loan	1,566 50
" 22	W. Md. R. R. Ter. Co.	300 00	W. Md. R.R. 6 per ct. 1902 Loan	366 75
" 22	Horwitz Benev. Fund	300 00	" " 6 per ct. 1902 "	366 75
" 22	Hillen Station	800 00	Funding 6 per ct. 1900 Loan	964 00
" 22	" "	500 00	W. Md. R R. 6 per ct. 1902 Loan	611 25
" 30	General	5 05	Consolidated 6 per ct. 1890 "	5 05
Nov. 1	"	200,000 00	Water 4 per ct. 1926 Loan	218,000 00
" 1	Hillen Station	300 00	" 5 per ct. 1916 "	375 00
" 1	" "	100 00	Funding 6 per ct. 1900 Loan	120 50
" 6	Water 1926 Loan	15,000 00	" 6 per ct. 1900 "	18,037 50
" 9	General	66 13	Five Mill. 6 per ct. 1890 "	66 13
" 9	"	83 87	Consolidated 6 per ct. 1890 Loan	83 87
" 11	Public Park	500 00	Jones' Falls 3 per ct. 1900 "	500 00

" 11	Pratt Library.....	6,300 00	Water 5 per ct. 1916 Loan.....	7,859 25
" 12	" "	400 00	City Hall 6 per ct. 1900 Loan..	481 00
" 15	" "	2,000 00	Water 5 per ct. 1916 Loan.....	2,495 00
" 26	General	27 12	Consolidated 6 per ct. 1890 Loan	27 12
" 26	"	64 17	" 6 per ct. 1890 "	64 17
" 26	"	23 37	" 6 per ct. 1890 "	23 37
" 26	"	40 00	Five Million 6 per ct. 1890 Loan	40 00
Dec. 9	Pratt Library.....	4,500 00	Water 5 per ct. 1916 Loan.....	5,568 75
" 12	General.....	34,000 00	Jones' Falls 3 per ct. 1900 Loan	34,000 00
		$423,811 12		$464,971 39

STATEMENT No. 2—Concluded.

RECAPITULATION.

DATE.	NAME OF SINKING FUND	AMOUNT PURCHASED	DESCRIPTION OF STOCK.	AMOUNT PAID.
1889.				
Dec 31	General	$ 34,211 12	Six per cent. loans	$ 35,290 39
" 31	"	200,000 00	Four per cent. loans	218,000 00
" 31	"	34,000 00	Three per cent. loans	34,000 00
" 31	Public Park	48,900 00	Six per cent. loans	51,581 75
" 31	" "	5,000 00	Five per cent. loans	5,470 00
" 31	" "	5,000 00	Four per cent. loans	5,575 00
" 31	" "	500 00	Three per cent. loans	500 00
" 31	Pratt Library	20,700 00	Six per cent. loans	24,032 00
" 31	" "	17,400 00	Five per cent. loans	21,778 50
" 31	Hillen Station	1,400 00	Six per cent. loans	1,695 75
" 31	" "	1,200 00	Five per cent. loans	1,360 50
" 31	W. Md. R. R. Ter. Co.	300 00	Six per cent. loans	366 75
" 31	" " "	1,000 00	Five per cent. loans	1,277 50
" 31	" 1925 Loan	1,500 00	Six per cent. loans	1,854 75
" 31	" 1927 "	3,100 00	Six per cent. loans	3,822 75

" 31	Water 1926 Loan.....	17,300 00	Six per cent. loans.....	20,904	25
" 31	" 1926 "	4,100 00	Five per cent. loans.....	4,489	50
" 31	" 1926 "	1,500 00	Three $\frac{25}{100}$ per cent. loans.....	1,481	25
" 31	Inter. Impt. 1928 Loan.	4,100 00	Six per cent. loans.....	4,966	25
" 31	" " 1928 " .	7,600 00	Five per cent. loans.....	9,709	00
" 31	" " 1928 " .	6,600 00	Three $\frac{25}{100}$ per cent. loans.....	6,529	00
" 31	Horwitz Benev. Fund..	8,400 00	Six per cent. loans.....	10,286	50
		$423,811 12		$464,971	39

STATEMENT No. 3.

Condition of the Sinking Funds December 31, 1889.

General Sinking Fund:		
Consolidated 6 per cent. 1890 Loan	$183,547 76	
Five Million 6 per cent. 1890 Loan	122,621 88	
City Hall 6 per cent. 1900 Loan	56,600 00	
City Hall 6 per cent. 1902 Loan	13,400 00	
Funding 6 per cent. 1900 Loan	134,600 00	
Western Maryland Railroad 6 per cent. 1902 Loan	20,800 00	
Park Improvement 6 per cent. 1895 Loan	72,158 80	
Public Park 6 per cent. 1890 Loan	10,454 85	
Consolidated 6 per cent. 1893 Loan	1,250,341 38	
Exempt 6 per cent. 1893 Loan	353 87	
Jones' Falls 6 per cent. 1900 Loan	5,100 00	
		$1,869,978 54
Amount carried forward.		$1,869,978 54

STATEMENT No. 3—Continued.

Amount brought forward		$1,869,978 54
Water 5 per cent. 1894 Loan	$395,300 00	
Jones' Falls 5 per cent. 1900 Loan	120,500 00	
Water 5 per cent. 1916 Loan	7,400 00	
		523,200 00
Harford Run 4 per cent. 1920 Loan	$36,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan	109,200 00	
Patterson Park 4 per cent. 1920 Loan	5,000 00	
Water 4 per cent. 1926 Loan	200,000 00	
		$350,200 00
Jones' Falls 3½ per cent. 1900 Loan		160,000 00
Western Maryland Railroad 3½ per cent. 1927 Loan		699,700 00
Jones' Falls 3 per cent. 1900 Loan		48,500 00
Union Railroad Comp'y First Mortgage Guaranteed Bonds		87,500 00
Amount carried forward.		$3,739,078,54

STATEMENT No. 3—Continued.

Amount brought forw'd.	$3,739,078 54
Western Maryland Railroad Company First Mortgage Guaranteed Bonds.....	43,500 00
Western Maryland Railroad Company Third Mortgage Guaranteed Bonds (registered)....	207,000 00
Western Maryland Railroad Company Third Mortgage Guaranteed Bonds (coupon).....	18,000 00
Western Maryland Railroad Company Second Preferred Mortgage Guaranteed Bonds (coupon)	178,500 00
Western Maryland Railroad Company Funding Certificates.....	226,530 00
Western Maryland Railroad Company Unendorsed Coupons of First Mortgage Bonds.	71,742 00
Amount carried forw'd.	$4,484,350 54

STATEMENT No. 3—Continued.

Amount brought forw'd.		$4,484,350 54
Obligation of Baltimore and Ohio Railroad Company, received for claim of Mayor and City Council against the Pittsburg and Connellsville Railroad Company, as authorized by Ordinance No. 47, of 1875.....	$1,000,000 00	
Less amount paid by Baltimore and Ohio Railroad Company on account of said claim....	560,000 00	$440,000 00
Hillen Station property..	$200,000 00	
Less amount of Sinking Fund set apart for the repayment of the cost thereof.....	34,464 28	$165,535 72
Amount invested in depot property of the Western Maryland Railroad Terminal Company, as per Ordinance No. 92, of 1882.....	$131,163 81	
Amounts carried forward.	$131,163 81	$5,089,886 26

STATEMENT No. 3—Continued.

Amounts brought forw'd.	$131,163 81	$5,089,886 26
Less amount of Sinking Fund set apart for the repayment of the same.	$9,124 21	
		$122,039 60
Ground rents, purchase of which was authorized by Ordinance No. 81, of 1881		268,235 27
Cash		87,052 06
		$5,567,213 19
Public Park Sinking Fund:		
Consolidated 6 per cent. 1890 Loan	$140,700 00	
Five Million 6 per cent. 1890 Loan	83,000 00	
City Hall 6 per cent. 1900 Loan	8,600 00	
Funding 6 per cent. 1900 Loan	1,700 00	
Park Improvement 6 per cent. 1895 Loan	16,000 00	
Public Park 6 per cent. 1890 Loan	17,000 00	
Consolidated 6 per cent. 1893 Loan	154,500 00	
Amount carried forw'd.	$421,500 00	

STATEMENT No. 3—Continued.

Amount brought forw'd.	$421,500 00	
Exempt 6 per cent. 1893 Loan	900 00	
Western Maryland Railroad 6 per cent. 1902 Loan	11,300 00	
Jones' Falls 6 per cent. 1900 Loan	1,300 00	
		$435,000 00
Jones' Falls 5 per cent. 1900 Loan	$95,000 00	
Water 5 per cent. 1894 Loan	98,500 00	
Funding 5 per cent. 1916 Loan	16,000 00	
		$209,500 00
Harford Run 4 per cent. 1920 Loan	$14,000 00	
Paving 4 per cent. 1920 Loan	31,000 00	
Harford Run 4 per cent. 1904 Loan	1,700 00	
Water 4 per cent. 1926 Loan	5,000 00	
Western Maryland Railroad 4 per cent. 1925 Loan	5,000 00	
		$56,700 00
Amount carried forw'd..		$701,200 00

STATEMENT No. 3—Continued.

Amount brought forw'd.		$701,200 00
Jones' Falls 3 per cent. 1900 Loan.....		2,400 00
Cash		6,938 44
		$710,538 44
Western Maryland Railroad 1925 Loan Sinking Fund:		
Consolidated 6 per cent. 1890 Loan.....	$11,900 00	
Five Million 6 per cent. 1890 Loan.....	4,700 00	
City Hall 6 per cent. 1900 Loan.....	3,300 00	
City Hall 6 per cent. 1902 Loan	2,700 00	
Funding 6 per cent. 1900 Loan	2,000 00	
Western Maryland R.R. 6 per cent. 1902 Loan.	2,600 00	
Jones' Falls 6 per cent. 1900 Loan.....	100 00	
		$ 27,300 00
Western Maryland Railroad 6 per cent. Third Mortgage Guaranteed Bond		500 00
Amount carried forw'd..		$27,800 00

STATEMENT No. 3—Continued.

Amount brought forw'd.		$27,800 00
Western Maryland Railroad 4 per cent. 1925 Loan		21,800 00
Cash		728 40
		$50,328 40
Western Maryland Railroad 1927 *Loan Sinking Fund:*		
Consolidated 6 per cent. 1890 Loan	$1,700 00	
City Hall 6 per cent. 1900 Loan	700 00	
City Hall 6 per cent. 1902 Loan	400 00	
Funding 6 per cent. 1900 Loan	700 00	
Jones' Falls 6 per cent. 1900 Loan	100 00	
Western Maryland Railroad 6 per cent. 1902 Loan	1,500 00	
		$ 5,100 00
Western Maryland Railroad 6 per cent. Third Mortgage Guaranteed Bonds		2,500 00
Amount carried forw'd.		$7,600 00

STATEMENT No. 3—Continued.

Amount brought forw'd.		$ 7,600 00
Western Maryland Railroad 3¼ per cent. 1927 Loan		100,000 00
		$107,600 00
Less amount over invested		386 75
		$107,213 25
Hillen Station Sinking Fund:		
Consolidated 6 per cent. 1890 Loan	$4,500 00	
Five Million 6 per cent. 1890 Loan	600 00	
City Hall 6 per cent, 1900 Loan	2,900 00	
Consolidated 6 per cent. 1893 Loan	100 00	
Western Maryland Railroad 6 per cent. 1902 Loan	3,200 00	
Funding 6 per cent. 1900 Loan	1,000 00	
Jones' Falls 6 per cent. 1900 Loan	400 00	
Amount carried forw'd..	$12,700 00	

STATEMENT No. 3—Continued.

Amount brought forw'd..	$12,700 00	
Park Improvement 6 per cent. 1895 Loan.....	1,000 00	
Public Park 6 per cent. 1890 Loan.....	500 00	
		$14,200 00
Western Maryland Railroad 6 per cent. 3d mortgage guaranteed bonds		500 00
Jones' Falls 5 per cent. 1900 Loan.....	8,000 00	
Water 5 per cent. 1894 Loan.....	5,600 00	
Funding 5 per cent. 1916 Loan.....	1,900 00	
Water 5 per cent. 1916 Loan.....	300 00	
		$15,800 00
Paving 4 per cent. 1920 Loan.....		3,000 00
Cash.....		964 28
		$34,464 28
Western Maryland Railroad Terminal Company Sinking Fund:		
Consolidated 6 per cent. 1890 Loan.....	$3,300 00	
Amount carried forw'd..	$3,300 00	

STATEMENT No. 3—Continued.

Amount brought forw'd.	$3,300 00	
Five Million 6 per cent. 1890 Loan	300 00	
Consolidated 6 per cent. 1893 Loan	100 00	
City Hall 6 per cent. 1900 Loan	1,000 00	
City Hall 6 per cent. 1902 Loan	100 00	
Western Maryland Railroad 6 per cent. 1902 Loan	1,100 00	
Funding 6 per cent. 1900 Loan	500 00	
Jones' Falls 6 per cent. 1900 Loan	300 00	
		$6,700 00
Western Maryland Railroad 6 per cent. 3d mortgage guaranteed bonds		1,000 00
Water 5 per cent. 1916 Loan		1,000 00
Cash		424 21
		$9,124 21

STATEMENT No. 3—Continued.

Water Loan of 1926 *Sinking Fund:*		
Consolidated 6 per cent. 1890 Loan	$ 25,300 00	
City Hall 6 per cent. 1900 Loan	2,300 00	
City Hall 6 per cent. 1902 Loan	1,900 00	
Funding 6 per cent. 1900 Loan	15,000 00	
Jones' Falls 6 per cent. 1900 Loan	400 00	
		44,900 00
Water 5 per cent, 1894 Loan		4,100 00
Western Maryland Railroad 3¼ per cent. 1927 Loan		1,500 00
Cash		2,263 70
		$52,763 70
Internal Improvement 1928 *Loan Sinking Fund:*		
Jones' Falls 6 per cent. 1900 Loan	$900 00	
Amount carried forw'd	$900 00	

STATEMENT No. 3—Continued.

Amount brought forw'd.	$ 900 00	
Funding 6 per cent. 1900 Loan	2,400 00	
City Hall 6 per cent. 1900 Loan	800 00	
		4,100 00
Water 5 per cent. 1916 Loan	1,800 00	
Funding 5 per cent. 1916 Loan	5,800 00	
		7,600 00
Western Maryland Railroad 3¼ per cent. 1927 Loan		6,600 00
Cash		2,546 12
		$20,846 12

STATEMENT No. 3—Concluded.

RECAPITULATION:

General Sinking Fund	$5,567,213 19
Public Park Sinking Fund	710,538 44
Western Maryland Railroad 1925 Loan Sinking Fund	50,328 40
Western Maryland Railroad 1927 Loan Sinking Fund	107,213 25
Hillen Station Sinking Fund	34,464 28
Western Maryland Railroad Terminal Company Sinking Fund	9,124 21
Water 1926 Loan Sinking Fund	52,763 70
Internal Improvement 1928 Loan Sinking Fund	20,846 12
	$6,552,491 59

STATEMENT No. 4.

Condition of Enoch Pratt Free Library Sinking Fund, held in trust by the Commissioners of Finance, as per Ordinance No. 64 of 1883, on December 31st, 1889.

Consolidated 6 per cent. 1890 Loan	$ 111,700 00	
Five Million 6 per cent. 1890 Loan	11,400 00	
Funding 6 per cent. 1900 Loan	5,600 00	
City Hall 6 per cent. 1900 Loan	15,300 00	
City Hall 6 per cent. 1902 Loan	4,500 00	
Western Maryland Railroad 6 per cent. 1902 Loan	7,300 00	
Consolidated 6 per cent. 1893 Loan	5,400 00	
Park Improvement 6 per cent. 1895 Loan	700 00	
Jones' Falls 6 per cent. 1900 Loan	7,900 00	
Public Park 6 per cent. 1890 Loan	2,100 00	
		171,900 00
Western Maryland Railroad 6 per cent. (registered) 3rd Mortgage Guaranteed Bonds		10,000 00
Amount brought forw'd.		$181,900 00

STATEMENT No. 4—Concluded.

Amount brought forw'd.		$181,900 00
Water 5 per cent. 1916 Loan	33,800 00	
Funding 5 per cent. 1916 Loan	400 00	
Jones' Falls 5 per cent. 1900 Loan	78,500 00	
		112,700 00
Paving 4 per cent. 1920 Loan	62,300 00	
Patterson Park 4 per cent. 1920 Loan	195,000 00	
Water 4 per cent. 1922 Loan	500,000 00	
		757,300 00
		$1,051,900 00
Less amount over-invested		05
		$1,051,899 95

STATEMENT No. 5.

Condition of the Horwitz Benevolent Fund, held by the Commissioners of Finance, as per Resolution No. 7, of the Mayor and City Council of Baltimore, approved December 7th, 1888, on December 31st, 1889.

Funding 6 per cent. 1900 Loan....	$1,800 00	
City Hall 6 per cent. 1900 Loan...	1,300 00	
Western Maryland Railroad 6 per cent. 1902 Loan.....	5,300 00	
		$8,400 00
Cash		3 00
		$8,403 00

STATEMENT No. 6.

A Schedule of Real Estate and Ground Rents upon the Books of the Commissioners of Finance.

LESSEES.	LOCATION OF LOTS.	ANNUAL RENTAL.
Swain & Banks	Nos 9, 10, 11 and 12 President street	$452 25
C. S. Maltby	Nos. 24, 25, 26, 27, 28, 29 and 30 south side Block street	910 88
C. S. Maltby	Nos. 5, 6, 7 and 8 north side of Block street.	293 60
Sisters of Mercy	Calvert Street Spring lot	1,000 00
Baltimore and Philadelphia Steamboat Co	200 feet of Pratt street wharf	3,600 00
Platt & Co	Fish house property, south side of basin	1,457 00
John G. Huck	Light street, corner Weyler street	75 70
Wilson & Hunting	Nos. 5, 6, 7 and 8 west side President street.	502 50
George Hickman	Southwest corner Fayette and Arch streets	52 00
Boys' Home Society	Northwest corner Calvert & Pleasant streets.	50 00
James Clark & Co	City Yard property	497 25
Baltimore Dredging Co	City Yard property	480 00
E. S. Sanble	Battery avenue	157 50
Joseph Kaufman	Nos. 1, 2, 3, 4, 5 and 6 Weyler street	150 00
Wm. Groscup	No. 7 Weyler street	33 60

John F. Weyler	No. 8 " "	19 20
James Baumgarten	No. 9 " "	26 32
Wm. Kleinhenn	No. 10 " "	26 32
Anton Young	Nos. 11 and 12 Weyler street	52 64
Charles N. Oehm	No. 13 Weyler street	26 32
H. Klasmeier	No. 14 " "	25 48
Catharine Karch	No. 15 " "	26 32
N. Thomas & Co.	Nos. 17 and 18 Weyler street	52 64
F. Kull	No. 19 Weyler street	19 20
George Wimmer	No. 20 " "	20 32
E. Snellenberg	Nos. 21 and 22 Weyler street	54 49
J. A. J. Goetz	No. 23 Weyler street	29 60
August Pfeil	No. 25 " "	29 60
F. Schott	No. 29 " "	26 32
August Pfeil	Southwest corner Light and Weyler streets	78 06
		$10,225 11

Ground rents purchased by authority of Ordinance No. 81, of 1881.

Comm'ers Public Schools	Hollins and Monroe streets	$ 750 00	
" " "	Howard and Little Montgomery sts.	120 10	
" " "	Pennsylvania ave. and Robert st.	86 00	
" " "	Park avenue near Preston street	549 00	
	Amounts carried forward	$1,505 10	$10,225 11

STATEMENT No. 6—Concluded.

Lessees.	Location of Lots.		Annual Rental.
	Amounts brought forward.....	$1,505 10	$10,225 11
Comm'ers Public Schools...	Waesche street near Fremont street..	480 00	
" " " ...	Castle street.....	209 25	
" " " ...	Hanover and Lee streets.....	210 00	
" " " ...	Sharp and West streets.....	570 00	
" " " ...	Argyle avenue near Lanvale street..	120 00	
" " " ...	Hull and Clement streets.....	350 00	
" " " ...	Linden avenue and Wilson street...	840 00	
" " " ...	Charles and Ostend streets.....	372 50	
" " " ...	Ann and Chase streets.....	501 75	
" " " ...	Howard st., opposite Centre st.....	1,000 00	
" " " ...	Preston and Eden streets.....	80 00	
" " " ...	Broadway and Bank street.....	200 00	
" " " ...	Mosher and Gilmor streets.....	757 00	
Mayor and City Council....	Monument and Chester streets.....	1,200 00	
" " "	Collington Square.....	960 00	
" " "	Perkins' Spring Square.....	2,052 00	
" " "	Riverside Park.....	3,770 62	

Mayor and City Council....	Holliday and Fayette streets.....	56 00	
" " "	Lexington and Paca streets.....	228 00	
			15,462 12
	(Purchased at a cost of $268,235.27)		
			$25,687 23

STATEMENT No. 7.

Funded Debt December 31st, 1889.

Loan.	Rate.	When Redeemable.	Amount.
Consolidated	6 per cent.	At pleasure after July 1, 1890	$7,306,546 22
Public Park	6 " "	" " " Sept. 1, 1890	555,566 25
Exempt	6 " "	" " " Sept. 1, 1893	410,353 87
Water	6 " "	" " " July 1, 1894	263,000 00
"	5 " "	" " " July 1, 1894	3,737,000 00
"	5 " "	" " " July 1, 1916	5,000,000 00
"	4 " "	" " " Nov. 1, 1922	500,000 00
"	4 " "	" " " Nov. 1, 1926	600,000 00
Funding	6 " "	" " " July 1, 1900	800,000 00
"	5 " "	" " " July 1, 1916	1,000,000 00
Harford Run Improvement	4 " "	" " " Jan. 1, 1920	250,000 00
Paving	4 " "	" " " Nov. 1, 1920	500,000 00
Five Million	6 " "	January 1, 1890	5,000,021 55
Consolidated	6 " "	September 1, 1893	2,211,068 05
Park Improvement	6 " "	January 1, 1895	185,723 80
Jones' Falls	6 " "	April 9, 1900	800,000 00
" "	5 " "	" 9, 1900	957,000 00
" "	3.65 per ct.	" 9, 1900	455,000 00

Jones' Falls	3½ per cent.	April 9, 1900	160,000 00
" "	3 " "	" 9, 1900	100,000 00
City Hall	6 " "	" 15, 1900	1,000,000 00
" "	6 " "	March 7, 1902	500,000 00
Western Maryland Railroad	6 " "	January 1, 1902	1,000,000 00
" " "	4 " "	July 1, 1925	684,000 00
" " "	3¼ " "	January 1, 1927	1,704,000 00
Harford Run Sewer	4 " "	November 3, 1904	350,000 00
Patterson Park	4 " "	October 1, 1920	200,000 00
Internal Improvement	3½ " "	July 1, 1928	500,000 00
Overdue Stock	6 " "	No interest allowed	732 00
Water, 1875	6 " "	" " "	940 00
Consolidated, 1885	5 " "	" " "	2,525 46
One Million, 1886	6 " "	" " "	1,730 50
W. Md. R. R. Bonds	6 " "	" " "	2,900 00
			$36,738,107 70

GUARANTEED DEBT:

Endorsement of W. Md. R. R. 3d Mortgage Bonds	$875,000 00	
" of Union R. R. 1st Mortgage Bonds	117,000 00	
		992,000 00
Total funded and guaranteed debt		$37,730,107 70

STATEMENT No. 8.

Balance Sheet of Sinking Funds' Ledger December 31, 1889.

	Dr.	Cr.
General Sinking Fund...		$87,052 06
Public Park Sinking Fund.....		6,938 44
Western Maryland Railroad 1925 Loan Sinking Fund.....		728 40
Western Maryland Railroad 1927 Loan Sinking Fund.....	$386 75	
Western Maryland Railroad Terminal Comp'y Sinking Fund.....		424 21
Hillen Station Sinking Fund.....		964 28
Water 4 per cent. 1926 Loan Sinking Fund...		2,263 70
Internal Improvement 1928 Loan Sinking Fund.....		2,546 12
Enoch Pratt Free Library Sinking Fund...	05	
Horwitz Benevolent Fund		3 00
Redemption of Western Maryland Railroad Bonds.....		2,900 00
Redemption of the Five Million 1890 Loan....		4,152,721 55
Balance.....	4,256,154 96	
	$4,256,541 76	$4,256,541 76

STATEMENT No. 9.

Indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore, December 31st, 1889.

First Mortgage Bonds, held by the Commissioners of Finance....		$ 43,500 00
Second Preferred Mortgage Bonds, held by the Commissioners of Finance		178,500 00
Accrued interest to Jan. 1st, 1887, on the second mortgage endorsement		333,000 00
Third mortgage endorsement	875,000 00	
Interest thereon to December 31, 1889	997,500 00	
		1,872,500 00
Fourth mortgage, to secure loan of City's stk.	1,000,000 00	
Interest thereon to December 31, 1889.....	1,050,000 00	
		2,050,000 00
Loan of City Stock, by authority of Ordinance No. 71 of 1882.....	684,000 00	
Interest thereon, payable December 31st, 1889..	13,680 00	
		697,680 00
Amount carried forward.		$5,175,180 00

STATEMENT No. 9—Concluded.

Amount brought forw'd.		$5,175,180 00
Loan of City Stock, by authority of Ordinance No. 11 of 1886.....	1,704,000 00	
Interest thereon, payable December 31st, 1889..	27,690 00	
		1,731,690 00
Funding Certificates, being amount of matured coupons of First and Second Preferred Mortgage Bonds, funded as per Ordinance No. 22 of 1879.....	226,530 00	
Interest thereon, from January 1st, 1889....	13,591 80	
		240,121 80
Coupons from First Mortgage Unendorsed Bonds.....	71,742 00	
Interest thereon, to December 31st, 1889.....	60,902 65	
		132,644 65
		$7,279,636 45
Less:		
Value of Western Maryland Railroad 1925 Loan Sinking Fund...	50,328 40	
Value of Western Maryland Railroad 1927 Loan Sinking Fund...	107,213 25	
		157,541 65
		$7,122,094 80

STATEMENT No. 10.

Total Liabilities of the Western Maryland Railroad Company, December 31, 1889.

Held by the Commissioners of Finance:		
Second Preferred Mortgage Bonds	$178,500 00	
First Mortgage Bonds	43,500 00	
First Mortgage Coupons (not funded)	71,742 00	
Interest on said coupons to date	60,902 65	
Funding certificates	226,530 00	
Twelve months interest on said certificates	13,591 80	
		$594,766 45
Less:		
Value of Western Maryland Railroad 1925 Loan Sinking Fund	$ 50,328 40	
Value of Western Maryland Railroad 1927 Loan Sinking Fund	107,213 25	
		157,541 65
		$437,224 80
Accrued interest due Commissioners of Finance to January 1, 1887, on Second Mortgage Bonds		333,000 00
Amount carried forward,		$770,224 80

STATEMENT No. 10—Concluded.

Amount brought forw'd.		$770,224 80
Third Mortgage Bonds endorsed by the City..	$ 875,000 00	
Interest thereon to December 31, 1889.....	997,500 00	
		$1,872,500 00
Fourth Mortgage, City stock loaned.....	$1,000,000 00	
Interest thereon to December 31, 1889.....	1,050,000 00	
		$2,050,000 00
Loan of city stock, authorized by Ordinance No. 71, of 1882.....	$ 684,000 00	
Interest thereon, payable December 31, 1889....	13,680 00	
		$697,680 00
Loan of city stock, authorized by Ordinance No. 11, of 1886.....	$1,704,000 00	
Interest thereon, payable December 31, 1839....	27,690 00	
		$1,731,690 00
Common stock owned by the city.....	$ 200,000 00	
Common stock owned by Washington county...	150,000 00	
Common stock owned by individuals.....	334,250 00	
		$684,250 00
First Preferred Stock owned by Washington county.....		324,000 00
		$8,130,344 80

STOCK DEBT.

NAME OF ISSUE.		RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
Five Million Loan	1890.	6 per cent.	Jan., April, July and Oct.	Nat. Farm. & Plant. B'k.
Consolidated "	1890.	6 "	" " "	" "
City Hall "	1900.	6 "	" " "	" "
" " "	1902.	6 "	" " "	" "
Funding "	1900.	6 "	" " "	" "
West. Md. R. R. "	1927.	3.25 "	January and July.....	" "
Internal Impn't "	1928.	3½ "	" "	" "
Patters'n Pk. Ex "	1920.	4 "	Jan., April, July and Oct.	National Mechanics' B'k.
Park Imp. "	1895.	6 "	" " "	" "
Public Park "	1890.	6 "	Mar., June, Sept. and Dec.	" "
Jones' Falls "	1900.	6 "	Feb., May, Aug. and Nov.	" "
" " "	1900.	5 "	" " "	" "
" " "	1900.	3.65 "	" " "	" "
" " "	1900.	3½ "	" " "	" "
" " "	1900.	3 "	" " "	" "
West. Md. R. R. "	1902.	6 "	January and July.....	" "
" " " "	1925.	4 "	" "	" "
Harf'd Run Im. "	1920.	4 "	" "	" "

Completion of Harf'd Run Improvem't Loan	1904.	4 per cent.	May and November.....			National Mechanics' Bk.	
Paving "	1920.	4 "	"	"	.....	"	"
Water "	1916.	5 "	"	"	.....	"	"
" "	1894.	6 "	"	"	.....	"	"
" "	1894.	5 "	"	"	.....	"	"
" "	1922.	4 "	"	"	.....	"	"
" "	1926.	4 "	"	"	.....	"	"
Funding "	1916.	5 "	"	"	.....	"	"
Exempt "	1893.	6 "	March and September....			"	"
Consolidated "	1893.	6 "	"	"		"	"

GUARANTEES.

NAME OF ISSUE.	RATE PER ANNUM.	WHEN PAYABLE.	WHERE PAYABLE.
Western Maryland R. R. Company's Bonds.....	6 per cent.	January and July.....	National Mechanics' Bk.
Union R. R. Company's Bonds.....	6 "	" "	Franklin Bank.

ANNUAL REPORT

—OF THE—

CITY COMPTROLLER

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1889.

REPORT.

DEPARTMENT OF THE CITY COMPTROLLER,

BALTIMORE, January 1st, 1890.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor of presenting herewith the report of the Department of the City Comptroller for the year terminating December 31, 1889.

The following table exhibits the receipts and disbursements of the City government from the 1st day of January, 1889, to the 31st day of December, 1889, both days inclusive.

STATEMENT OF RECEIPTS.

From the City Collector, on account of the tax levy for 1889	$3,668,170 73	
From the City Collector, on account of taxes in arrears	1,312,946 67	
Amount carried forward		$4,981,117 40

Am't brought forward..	$4,981,117 40	
From the City Collector, on account of interest on taxes in arrears.....	25,126 88	
From the City Collector, on account of re-numbering houses	756 00	
From the City Collector, on account of opening, closing and paving streets and alleys.....	241,649 07	
		$5,248,649 35
From market rents and licenses.....		55,820 15
" rent of public halls.....		637 00
" wharfage by Harbor Masters.....		25,292 64
" Park Board for Druid Hill and Patterson Parks.....		130,166 91
" Park Board for Riverside Park..		5 00
" " " " Federal Hill Park		275 00
" the Jail Visitors, for board of U. S. prisoners, &c.....		2,834 15
" the County Commissioners of Anne Arundel and Harford Counties, for cases removed and tried in the City courts.....		1,304 05
" the railway companies, for park sinking fund.....		21,148 07
" the Water Board, for rents, &c..		820,253 15
" the Pound Master, for sale of dogs.		436 80
" ground rents due by sundry parties.....		160 00
Amount carried forward.....		$6,306,982 27

Amount brought forward	$6,306,982	27
From the Trustees of Bayview Asylum, for board of inmates, &c	2,752	38
" Quarantine Hospital fees	4,692	09
" the Board of Health on account of salaries	125	00
" the Commissioners of Street Cleaning, for sale of refuse	2,473	68
" sundry parties, for injury to street lamps	105	19
" permits and advertising, for erecting sheds, &c	8,492	26
" sale of old bell on No. 5 Truck house	75	00
" the City Commissioner, for Improvement Jones' Falls	337	50
" the City Commissioner, for repairs paved streets	1,323	59
" the City Commissioner, for repairs bridges	12	50
" the City Commissioner, for repairs sewers	3,647	69
" the City Commissioner, for Light street bridge	61	15
" the City Commissioner, for iron plates	14	36
" the City Commissioner, for Preston street sewer	33	33
" the City Commissioner, for Patapsco street sewer	2	00
Amount carried forward	$6,331,129	99

Amount brought forward	$6,331,129 99
From the City Commissioner, for Wilkens' avenue bridge	117 73
" the sale of tickets, on account of transportation of poor	20 40
" Auctioneers, for State tax on sales	5,340 90
" the City Librarian, for sale of Codes and Ordinances	24 50
" the Superintendent of Court House	50 09
" the Superintendent City Hall, for sale of old carpet	63 10
" licenses for wagons, carts, billiards, dogs, &c	46,015 07
" the Fire Commissioners, for sale of refuse	502 25
" magistrates, for fines, for violation of City ordinances	4,805 36
" the City Commissioner, for account of advertising	233 00
" the sale of water stock of 1926	218,000 00
" taxes in the Annex for the year 1888	52,196 45
" the Commissioners of Taney Place Squares	2 00
" sundry parties, difference in board of insane patients	6,155 00
" interest in the City Annex	1,944 84
" direct tax in the City Annex	86,256 16
" State tax on City loans	21,306 06
Amount carried forward	$6,774,162 90

Amount brought forward	$6,774,162 90
From temporary loans	2,146,000 00
" the inspection of gas meters	2,570 50
" tax sales, for the redemption of property previously sold for taxes	2,638 34
" the City Commissioner, for vaults and areas	909 89
" turnpike dividends and interest	305 65
" the Baltimore and Ohio Railroad Co., interest on 5,000,000 loan	300,000 00
" the Park Board, interest on public park loan	41,333 96
" the Water Board, interest on water loans of 1894, 1916, 1922, and 1926	488,630 00
" Western Maryland Railroad, interest on 1925 loan	41,370 00
" unclaimed damages for opening streets	827 00
" City seals	41 25
" conscience fund	40 00
" the sale of internal improvement 1928 stock	515,000 00
" the Park Board, for Patterson Park Extension	4 32
" the sale of property owned by the City	3,700 00
Amount carried forward	$10,317,533 81

Amount brought forward		$10,317,533 81
From the Chesapeake & Potomac Telephone Co., on account of conduits	1,500 00	
" damages and expenses for opening, closing and paving streets and alleys	12,816 65	
" the State of Maryland, for City's proportion of public school tax.	162,142 09	
" the Secretary of the School Board, for use of books, &c	3,446 25	
" J. F. Plummer, interest on legacy to public schools	129 55	
Cash in hands of City Register January 1st, 1889	293,956 00	
		$10,791,524 35

STATEMENT OF DISBURSEMENTS.

For cleaning and repairs of markets	$ 5,033 83	
" cleaning and repairs of public halls.	144 10	
" Criminal Court	79,282 88	
" Baltimore City Court	12,429 20	
" Superior Court	13,873 85	
" Court Common Pleas	13,610 20	
" Circuit Court	2,796 40	
" Orphans' Court	7,857 48	
" Circuit Court No. 2	2,315 40	
Amount carried forward		$137,343 34

Amount brought forward	$137,343 34
For Supreme Bench	3,025 00
" removed cases	57 20
" magistrates	15,501 00
" judgments and suits	12,363 52
" the Police Department	779,941 88
" expenses of the Supervisors of Elections	5,567 62
" salaries and incidentals of the City Council	56,935 55
" expenses of the Jail	52,445 63
" registration	65,138 86
" park sinking fund	21,148 07
" public schools (general)	131,214 71
" Water Board	874,095 33
" the dog pound	1,000 00
" ground rents due by the City	3,697 84
" Manual Training School	22,055 30
" interest on loans and discount on taxes	139,409 07
" public schools—salaries	628,631 40
" Druid Hill and Patterson Parks	122,546 12
" Riverside Park	2,930 60
" Federal Hill Park	3,927 79
" Johnson Square	897 71
" Collington Square	1,586 35
" Harlem Park	3,999 85
" Eutaw Squares—1st division	1,300 00
" " " —2d "	1,300 00
Amount carried forward	$3,088,059 74

Amount brought forward	$3,088,059 74
For Madison Square	1,194 32
" Lafayette "	1,010 00
" Perkins' Spring Square	1,000 00
" ground rent, Riverside Park	3,770 62
" " " Perkins' Spring Sq're.	2,052 00
" Bayview Asylum	81,920 32
" Health, general	13,026 87
" Quarantine Hospital	17,643 12
" Health, salaries	32,425 00
" nuisances	8,181 25
" cleaning streets	262,721 12
" Harbor Board	39,338 23
" ice-boat F. C. Latrobe	9,494 74
" repairs of wharves	1,717 53
" " " City Dock	3,125 29
" bulkhead of Little Hawkins' Point.	3,430 36
" City Collector, expenses of office	52,246 02
" Appeal Tax Court	268 52
" gas and electric lights	234,851 16
" lamp pillars	15,480 13
" lamplighters, salaries	46,514 00
" Inspector of Buildings	6,200 00
" repairs of public schools	8,998 96
" repairs of City property	17,996 15
" permits for sheds, &c	1,211 37
" cleaning cess-pools	1,194 00
" building Grammar School No. 2	14,992 49
" " Colored School, West Baltimore	15,126 40
Amount carried forward	$3,985,189 71

Amount brought forward	$3,985,189 71
For painting school houses	3,994 19
" sanitary improvements in public schools	2,920 18
" wood ceilings in public schools	1,000 00
" extra help, Inspector of Buildings.	500 00
" re-building wall of No. 10 Engine House	1,000 00
" new bell at No. 5 Truck House	325 00
" building addition to No. 11 Primary School	11,253 76
" purchase of lot and building, No. 15 Engine House	16,998 71
" building Manual Training School	12,230 68
" gun racks at Howard Zouaves' Armory	294 50
" purchase of lot and building, Male and Female Primary School No. 31	2,504 00
" improvements at No. 2 Truck House.	150 00
" purchase of lot and building, Male and Female Grammar School No. 20	8,216 07
" building No. 13 Primary School	7,903 13
" purchase of lot and building, English-German School No. 5	15,255 08
" building No. 8 Grammar School	6,661 75
" purchase of lot and building, Primary School No. 24	12,222 65
Amount carried forward	$4,088,619 41

Amount brought forward	$4,088,619	41
For purchase of lot and building, Grammar and Primary School	11,803	15
" salaries of the City Commissioner's office	9,037	98
" livery for the City Commissioner	992	33
" Improvement of Jones' Falls	60,719	17
" repairs of paved streets	69,924	59
" " " bridges	4,671	59
" " " sewers	5,957	05
" Light street bridge	6,214	67
" iron plates	2,498	07
" flag and stepping stones	2,487	59
" cross streets	13,081	51
" Improvement Harford Run	19,985	90
" repairs of unpaved streets	1,297	21
" paving in front of City property	658	54
" sewer in Fulton avenne	17,063	04
" foot bridge at Nanticoke street	34	72
" inlets at Broadway sewer	970	21
" sewers and inlets at Mt. Royal ave.	10,223	74
" shelling Eastern avenue	499	73
" " Loney's lane	492	94
" sewer in Preston street	21,585	95
" iron-plates at Charles-st and North avenues	1,377	66
" Central avenue sewer	330	43
" Low street "	4,854	58
" Ensor " "	4,982	98
Amount carried forward	$4,360,364	74

Amount brought forward	$4,360,364	74
For trapping inlets, Lexington and other streets	789	38
" trapping inlets, Calhoun and Lanvale streets	1,017	85
" improving park, Charles-street and North avenues	296	38
" traps and inlets, Broadway sewer	1,205	64
" Patterson Park sewer	33,191	19
" Patapsco street "	2,979	65
" iron-plates at Lancaster and Burke streets	573	04
" Wilkens' avenue bridge	5,965	34
" carrying poor to homes	926	28
" City Librarian	7,499	02
" refunded taxes	2,005	81
" expense of the Court House and Record office	6,000	00
" expense of the City and Circuit Court building	3,356	25
" general expense	1,155	57
" Superintendent City Hall	16,915	95
" general license	1,380	60
" expenses of the Fire Department	232,063	53
" Fire-alarm boxes at various places	1,493	43
" new machinery Police and Fire-alarm Telegraph	3,890	60
" Chemical Engine at No. 15 Engine house	1,198	77
Amount carried forward	$4,684,269	02

Amount brought forward	$4,684,269	02
For repairing machinery of Police and Fire-alarm Telegraph	723	00
" fines remitted by order of the Mayor.	1,542	00
" public printing	981	18
" Water Loan, 1926	263,115	91
" Jenkins' Run sewer	3,676	77
" rebuilding Light-street bridge	7,375	22
" Cedar avenue bridge	682	07
" Presbury street sewer	16,680	59
" Fremont " "	9,418	99
" Eager " "	5,958	59
" Macadamizing Garrison lane	1,984	11
" board walk at Edmondson avenue	586	12
" Wolfe street sewer	5,643	68
" Pulaski street sewer	2,580	61
" kerbing Fulton avenue	675	97
" lamp pillars, City annex	1,960	00
" lamplighters salaries, City annex	8,970	00
" gas and electric lights, City annex.	3,430	00
" expenses of Fire Department, City annex	24,386	27
" cleaning streets, City annex	13,248	87
" health salaries, City annex	2,599	80
" nuisances, City annex	1,210	26
" shelling Franklin road, City annex	477	16
" " North avenue, City annex.	1,943	94
" repairs streets, roads, &c., City annex	8,774	75
Amount carried forward	$5,072;894	88

Amount brought forward	$5,072,894 88
For foot bridge, Gwynn's run, City annex	227 98
" Clipper bridge, City annex	194 72
" foot bridge, Union ave. City annex.	105 37
" surveying and platting annexed territory	4,361 90
" graveling North avenue, City annex	386 35
" Maryland Hospital for Insane, City annex	487 50
" shelling Carroll avenue, City annex	149 69
" Public schools, general, City annex	7,098 43
" " " salaries, City annex	58,873 15
" repairs City property, City annex..	2,938 44
" discount on taxes, City annex	1,944 84
" collecting taxes in annex for the year 1888	3,087 85
" expenses of Collector's office, City annex	1,046 74
" purchase of property in annexed territory	106,086 84
" special assessment, City annex	615 92
" refunded taxes, City annex	85 50
" purchase of lot and building annex school No. 4	5,471 75
" Mount Vernon squares	500 00
" Frick's Triangle	49 00
" Broadway squares, 1st division	1,913 96
" " " 2d "	3,949 74
" Park place squares	500 00
Amount carried forward	$5,272,970 55

Amount brought forward	$5,272,970 55
For Union square	1,429 62
" Franklin square	1,400 00
" Eastern fountain	1,000 00
" Jackson square	799 92
" Ashland "	149 44
" Mount Royal avenue squares	998 49
" Taney place squares	367 39
" Fulton avenue squares and Baker circle	3,492 63
" Baltimore Manual Labor School	1,000 00
" House of Refuge	20,000 00
" " " Reformation	8,000 00
" Baltimore University	2,535 00
" Maryland General Hospital	3,958 30
" University of Maryland	6,750 00
" Washington University	6,750 00
" Mount Hope Retreat	24,000 00
" Maryland Hospital for Insane	12,000 00
" St. Mary's Industrial School	20,000 00
" Dispensaries	9,500 00
" Deaf and Dumb at Frederick	200 00
" Widows and Orphans, War of 1812.	100 00
" special appropriations	2,852 30
" State tax on City loans	33,271 48
" assistance to Examiner of Titles	456 50
" Female House of Refuge	3,000 00
" St. Vincent's Infant Asylum	4,999 98
" Home of the Friendless	2,100 00
Amount carried forward	$5,444,081 60

Amount brought forward	$5,444,081 60
For Nursery and Child's Hospital	3,250 00
" St. Mary's Female Orphan Asylum.	3,791 65
" St. Elizabeth's Colored Orphan Asylum	1,999 95
" Industrial Home for Colored Girls.	4,000 00
" temporary loans	2,296,000 00
" Coroners	2,386 66
" salaries of City officers	72,241 27
" Commissioners for Opening Streets.	143 16
" General Superintendent of Lamps.	300 00
" expenses of election	7,690 93
" tax sales	9,491 75
" transportation to House of Correction	212 00
" Maryland Institute	6,000 00
" Insurance of Bayview Asylum	1,295 00
" ringing mechanics' bells	200 00
" winding Maryland Institute clock	75 00
" Enoch Pratt Free Library	50,000 00
" ice-boat "Maryland"	10,000 00
" commissions and incidentals of Harbor Masters	6,781 11
" post mortems	1,000 00
" interest on stock debt	1,872,581 36
" Boys' Home Society	3,000 00
" removal of refuse of packing houses.	7,500 00
" building new ice-boat	60,000 00
" Shelter for Aged Colored Poor	1,000 00
Amount carried forward	$9,865,021 44

Amount brought forward	$9,865,021	44
For St. Mary's Home for Colored Children	500	00
" Hospital of the Good Samaritan	761	86
" unclaimed damages	765	00
" rent of Circuit Court No. 2	773	37
" furnishing Circuit Court No. 2	300	00
" care of Circuit Court No. 2	741	57
" Inspector of Gas and Oils—livery	275	00
" repairing floor of Calvert street bridge	536	05
" repairing floor of St. Paul street bridge	946	27
" purchase of lot adjoining Eastern Female High School	15,642	26
" water 1926 sinking fund	9,365	32
" internal improvement, 1928 sinking fund	9,365	32
" Patterson Park extension	14,595	71
" internal improvement 1928 loan	15,000	00
" repairs of Baltimore Light Infantry Armory	1,000	00
" condemnation of Federal Hill	262	50
" sale of City property	227	17
" St. Joseph's House of Industry	500	00
" new bell on the City Hall	2,943	00
" Boston street bridge	132	57
" repairing streets City Annex	946	86
" shelling Maiden's Choice Road, annex	157	71
Amount carried forward	$9,940,758	98

Amount brought forward	$9,940,758 98
For expenses of the Mayor's office	1,815 06
" damages and incidentals in connection with opening and closing streets	359,289 66
" paving streets and alleys	117,112 53
Balance in hands of City Register, December 31, 1889	372,548 12
	$10,791,524 35

From the foregoing and also by reference to Table A, which follows, it appears that the receipt column aggregates	$10,791,524 35
Deducting from this amount the cash balance in the treasury December 31, 1888	293,956 00
And it shows the total receipts to have been	$10,497,568 35

In the disbursement column the aggregate appears	$10,791,524 35
Deduct from it the cash balance in the treasury December 31, 1889	372,548 12
And it shows the total disbursements to have been	$10,418,976 23

The receipts therefore during the year 1889 exceeded the disbursements in the sum of $78,592.12.

These aggregates however do not exhibit the revenue or the expenses proper for the fiscal year. In the statement of receipts there is an item of $2,146,000 under the title of temporary loans, which comprises money borrowed from time to time, or loans to the City renewed, as the case may be, during the fiscal year, and the disbursing column shows payments on that account of $2,296,000, a portion thereof being indebtedness of the previous year. This item contributes largely to make up the aggregate on both sides of the sheet, while it is neither revenue on the one side, nor expense on the other, except in the matter of interest on the loans.

Resolution No. 109, approved June 6th, 1889, authorized and directed the Mayor, Comptroller and Register to sell a lot fronting on St. Paul street, a part of which is utilized for the northeast abutment of the St. Paul street bridge, provided it could be sold for a sum sufficient to purchase another lot in the neighborhood for the purpose of erecting an engine house. By virtue of the authority indicated above, portions of the specified lot were sold for $3,100, the location of the remainder rendering its sale very difficult. After the above transaction the Fire Department saw fit to purchase a lot for the purpose indicated in Resolution 109, at a cost of $3,400, which being $300 over and above the sum received for the sale of the St. Paul street property will necessitate an appropriation of $300, should you see fit to recognize the purchase made by the Fire Department. Until such action on your part

I will be constrained to withhold my warrant upon the Register for the payment of the purchase money.

It may not be out of place to state that the conviction has been irresistibly forced upon the Comptroller of the City's liberality both in its sales and its purchases; in the former it may be voluntary and unavoidable, but in the latter it is frequently both compulsory and unavoidable. Resolutions authorizing and directing the purchase of lots frequently leave no discretionary power to those delegated to act for the City, and the alleged public necessity of some purchases, seems, after the event, to have been the offspring of private interest.

The total cost of Registration for the year 1889 was as follows:

Amount paid Counsellor	$ 300 00
" " Registers and Room Rent	55,794 34
" " for Advertising and Printing	9,044 52
	$65,138 86

Of this amount it will be seen that $55,794.34 was for payment of Registers' salaries and room rent, and it is proper to state that this is $16,961.56 in excess of the amount paid last year for the same purpose. This increase is owing to the fact that under the present law the officers of registration are required to devote more of their time to the revision of the registration lists, and to the registration of new voters, than a complete new registration requires.

The expenses of the various Courts for the year 1889, though embodied in this report, are herewith presented so that attention may be particularly directed thereto, from the fact that all the expenses of these Courts are paid by the City, and all pecuniary benefit therefrom is derived by the State.

Criminal Court	$ 79,282 88
Superior Court	13,873 85
Court Common Pleas	13,610 20
Baltimore City Court	12,429 20
Orphans' Court	7,857 48
Circuit Court No. 1	2,796 40
Circuit Court No. 2	2,315 40
	$132,165 41

These expenses are in excess of those of the year 1888 $22,043.46, but it is proper to state that $18,921.03 of this increase is in the expenses of the Criminal Court, and may be accounted for from the fact that this Court did not have a summer recess as usual, but continued sitting during the whole season.

From the receipts of the Courts there was paid into the State treasury during the year 1888 (the report of the State Comptroller for 1889 is not yet in my possession) the sum of $364,446.94 as follows:

Superior Court	$ 1,227 40
Criminal Court	3,284 28
Orphans' Court	67,815 79
Court Common Pleas	292,119 47
	$364,446 94

This amount is an increase over the year 1887, and the fact is patent, that while the aggregate expenses of the Courts paid by the City are steadily increasing, the State is deriving increased pecuniary benefit from their receipts.

FINANCIAL STATEMENT IN DETAIL.

For information in detail connected financially with the operations of the Department of the City Comptroller, I respectfully invite your attention to the subjoined tables:

Table A, is a statement of the amount charged and credited to the City Register.

Table B, shows the amount of taxes collected during the year for the City and City annex, and the amount charged to the City Collector for taxes in arrears.

Table C, is a statement of the receipts and disbursements of Markets, Public Halls, General Licenses, Theatricals and Wharfage accounts.

Table D, is a statement of the several Courts, Supreme Bench, Magistrates, Judgments and Suits, City Council, Police Department, Supervisors of Elections, Removed Cases, Registration and Baltimore City Jail.

Table E, is an exhibit of the receipts from taxes and other sources, and payment on account of interest on the Stock Debt, Sinking Fund, Loans, Interest, Water Board, Dog Pound, Public Schools (general and salaries), Manual Training School, City Property, Special

Appropriations, Water Loan 1926, Gas and Electric Lights, and State Tax on City Loans.

Table F, is a statement of receipts and disbursements on account of Druid Hill, Patterson, Riverside and Federal Hill Parks.

Statement A, is a statement of the several Public Squares, Health Department, Harbor Board, Commissioner of Street Cleaning, City Collector, City Poor, General Superintendent of Lamps, Lamp pillars, Inspector of Buildings Department, City Commissioner's Department, Fire Department and General Expenditures under the head of Miscellaneous.

Statement B, shows the amounts received and paid for Opening, Closing and Widening Streets and Alleys.

Table G, shows the amount paid for Paving Streets and Alleys, and amounts received from the City Collector on account of Paving Streets.

Table H, is an exhibit of the Street Cleaning Department, Fire Department, Gas and Electric Lights, Lamp pillars, Repairs of City Property, Public Schools, Nuisances, Lamplighters, and City Commissioner's Department in the annexed portion of the City.

I have the honor to be,

Very Respectfully,

Your obedient servant,

JAMES R. HORNER,

Comptroller.

TABLES.

TABLE A.

DR. JOHN A. ROBB; *City Register, in account with*

1889.

January	1	To balance	$	293,956 00
January	31	To cash		326,264 21
February	28	" "		1,037,081 40
March	31	" "		678,236 24
April	30	" "		585,419 19
May	31	" "		704,791 52
June	30	" "		1,611,661 13
July	31	" "		1,979,935 55
August	31	" "		320,856 68
September	30	" "		217,243 90
October	31	" "		646,583 64
November	30	" "		1,274,062 68
December	31	" "		1,115,432 21
				$10,791,524 35

TABLE A.

the Mayor and City Council of Baltimore. CR.

1889.

January	31	By Comptroller's warrant.		$	961,061 10
February	28	"	"	"	546,195 57
March	31	"	"	"	707,634 46
April	30	"	"	"	680,279 47
May	31	"	"	"	1,315,366 24
June	30	"	"	"	1,407,991 31
July	31	"	"	"	984,052 23
August	31	"	"	"	603,269 84
September	30	"	"	"	532,046 98
October	31	"	"	"	682,420 40
November	30	"	"	"	1,448,913 00
December	31	"	"	"	549,745 63
December	31	"	balance		372,548 12
					$10,791,524 35

TABLE B.

Collection of Taxes, Opening of Streets, &c., made by the City Collector, for the year ending December 31, 1889.

	1884.	1885.	1886.	1887.	1888.	1889.	Total.
Police Department	$ 59 90	$277 19	$2,833 15	$23,740 02	$ 163,825 45	$505,727 56	$ 696,463 27
Certain Expenses	20 01	103 96	910 67	7,034 10	54,608 45	187,306 51	249 983 70
Public Schools	43 48	265 62	2,327 25	20,222 96	145,622 64	430,804 94	599,286 89
City Poor	15 86	103 96	809 47	7,913 33	54,608 45	149,845 20	213,296 27
Direct Tax	149 09	704 54	6,981 77	49,238 58	400,462 25	1,479,721 31	1,937,257 54
Miscellaneous Stocks	72 20	311 85	2,732 00	23,740 02	242,704 40	655,572 74	925,133 21
Opening Streets	2 34	57 74	404 73	7,034 10	78,878 89	93,653 22	180,031 02
Water Tax	7 04	23 11	202 36	1,758 50	12,135 24	37,461 32	51,587 57
Water 1926 Sinking Fund						9,365 32	9,365 32
Internal Improvement 1928 Sinking Fund						9,365 32	9,365 32
Renumbering Houses						756 00	756 00
	$369 92	$1,847 97	$17,201 40	$140,681 61	$1,152,845 77	$3,559,579 44	$4,872,526 11
Interest	84 59	354 96	2,250 06	11,933 90	10,503 37		25,126 88
Discount						109,347 29	109,347 29
	$454 51	$2,202 93	$19,451 46	$152,615 51	$1,163,349 14	$3,668,926 73	$5,007,000 28
Opening and Closing Streets and Alleys							159,504 91
Paving Streets and Alleys							82,144 16
							$5,248,649 35

TABLE B.—Continued.

Amount charged against City Collector Jan. 1, 1890.

Year.	Levy.	Basis of Taxation.	Amount.
1886.....	$1 70	$ 152,814 00	$ 2,597 83
1887.....	1 60	1,851,498 00	29,623 96
1888.....	1 90	13,181,035 00	250,439 66
1889.....	1 90	77,594,756 00	1,474,300 36
			$1,756,961 81

TABLE B.—Concluded.

City Taxes received from the Annexed Territory from May 30, 1889, *to December* 31, 1889.

May	$ 9,859 68
June	20,640 11
July	23,887 27
August	4,741 57
September	4,099 09
October	4,689 50
November	6,622 35
December	13,661 43
Taxes collected	$88,201 00
Less discount	1,944 84
Net	$86,256 16

Taxable basis reported	$21,976,699 00		
Amount collected on	14,700,173 00		
Uncollected on	$ 7,276,526 00	@ 60c. =	$43,639 15

TABLE C.

Hanover Market—John H. Mortimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,721 00
Fish stall rents		281 00
Permanent stall rents		345 00
Eave stall rents		190 00
Vegetable stall rents		775 00
Street stall rents		100 00
Cucumber stall rents		15 00
Per diem rents		1,694 00
Licenses		1,120 00
		$6,241 00

TABLE C.—Continued.

Belair Market—Joseph H. Wright, Clerk.

	Dr	Cr.
Butcher stall rents		$1,750 00
Fish stall rents		187 00
Permanent stall rents		412 00
Eave stall rents		208 00
Street eave stall rents		245 00
Cucumber stall rents		486 00
Movable stall rents		202 00
Per diem rents		2,343 80
Licenses		2,115 00
		$7,948 80

TABLE C—Continued.

Cross Street Market—James Graham, Clerk.

	Dr.	Cr.
Butcher stall rents		$ 835 00
Fish stall rents		130 00
Permanent stall rents		380 00
Eave stall rents		430 00
Vegetable stall rents		290 00
Street eave stall rents		260 00
Per diem rents		1,928 55
		$4,253 55

TABLE C—Continued.

Lexington Market—W. H. Pope, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license....		$2,750 00
Fish stalls, rent and license.....		350 00
Permanent stalls, rent and license.		1,980 00
Eave stalls, rent and license.....		1,540 00
Fruit stalls, rent and license.....		600 00
Street eave stalls, rent and license.		315 00
Street stalls, rent and license.....		705 00
Movable stalls, rent and license....		294 00
Per diem rents.....		3,520 60
		$12,054 60

TABLE C.—Continued.

Hollins Market—James Biden, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license...		$697 00
Fish stalls, rent and license.....		30 00
Permanent stalls, rent and license.		200 00
Eave stalls, rent and license.....		220 00
Space stalls, rent and license.....		205 00
Street eave stalls, rent and license.		675 00
Pavement stalls, rent and license.		25 00
End stalls, rent and license.....		55 00
Nine months stalls, rent and license		40 00
Per diem rents.....		1,505 75
		$3,652 75

TABLE C.—Continued.

Centre Market—Daniel Murray, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license....		$1,786 00
Fish stalls, rent and license.....		386 00
Permanent stalls, rent and license.		738 00
Eave stalls, rent and license.....		581 00
Gutter stalls, rent and license.....		237 00
Street eave stalls, rent and license.		64 00
Movable stalls, rent and license....		418 00
Wholesalefish stalls, rent and license		1,344 43
Wholesale produce stalls, rent and license.....		1,420 00
Per diem rents.....		2,041 00
		$9,015 43

TABLE C—Continued.

Richmond Market—George H. Clifton, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license...		$ 278 50
Permanent stalls, rent and license.		110 00
Fish stalls, rent and license.....		60 00
Eave stalls, rent and license.....		99 00
Space stalls, rent and license.....		105 00
Kerb stalls, rent and license.....		100 00
Movable stalls, rent and license...		45 00
Aisle stalls, rent and license.....		40 00
Per diem rents.....		1,390 50
		$2,228 00

TABLE C—Continued.

Fell's Point Market—F. Buckheimer, Clerk.

	Dr.	Cr.
Butcher stall rents		$1,475 00
Fish stall rents		52 00
Permanent stall rents		392 00
Eave stall rents		378 00
Vegetable stall rents		826 00
Street eave stall rents		26 00
Movable stall rents		52 00
Per diem rents		1,667 60
Licenses		1,600 00
		$6,468 60

TABLE C.—Continued.

Lafayette Market—Thomas Briddell, Clerk.

	Dr.	Cr.
Butchers stalls, rent and licensc..		$ 130 00
Permanent stalls, rent and license.		499 87
Eave stalls, rent and license.....		419 25
Space stalls, rent and license.....		90 00
		$1,139 12

TABLE C.—Continued.

Northeast Market—M. Kunkel, Clerk.

	Dr.	Cr.
Butcher stalls, rent and license...		$ 300 00
Fish stalls, rent and license.....		24 00
Permanent stalls, rent and license.		180 00
Eave stalls, rent and license.....		119 00
Vegetable stalls, rent and license.		876 00
Street eave stalls, rent and license.		112 00
Cucumber stalls, rent and license.		12 50
Per diem rents.....		742 90
Movable.....		12 00
		$2,378 40

TABLE C.—Continued.

Canton Market—Daniel Cadden, Clerk.

	Dr.	Cr.
Butcher stalls		$117 50
Permanent stalls		63 00
Eave stalls		91 00
Per diem rents		168 40
		$439 90

TABLE C—Continned.

Summary of Markets.

	Dr.	Cr.
Hanover Market.....		$ 6,241 00
Belair "		7,948 80
Cross street "		4,253 55
Lexington "		12,054 60
Hollins "		3,652 75
Centre "		9,015 43
Richmond "		2,228 00
Fells' Point "		6,468 60
Lafayette "		1,139 12
Northeast "		2,378 40
Canton "		439 90
		$55,820 15
Expenses of cleaning, repairs, &c.		
Hanover Market.....	$438 46	
Belair "	605 66	
Cross street "	416 30	
Lexington "	704 95	
Hollins "	330 00	
Centre "	654 00	
Richmond "	517 30	
Fell's Point "	604 11	
Lafayette "	291 90	
Northeast "	285 50	
Canton "	185 65	
		$ 5,033 83
		$50,786 32

TABLE C—Continued.

Public Halls.

	Dr.	Cr.
Cross Street Hall—		
By amount received for rent.....		$110 00
To amount paid for cleaning, &c...	$ 16 50	
Hollins Hall—		
By amount received for rent.....		472 00
To amount paid for cleaning, &c...	95 50	
Broadway Hall—		
By amount received for rent.....		55 00
To amount paid for cleaning, &c...	32 10	
To balance December 31, 1889.....	492 90	
	$637 00	$637 00

TABLE C—Continued.

Receipts from Licenses.

Wagons, 1 horse	$16,105 40
" 2 horses	8,654 60
" 4 horses	566 30
Carts	4,755 75
Drays	726 25
Omnibuses and Cars	1,629 85
Hacks	1,354 20
Package Carts	519 55
Lighters	303 85
Bacon	2,525 00
Puddings	157 90
Merchandise	198 95
Foreign Fruit	470 60
Billiards	1,147 97
Bagatelle	311 65
Pawnbrokers	800 00
Dogs	966 00
Coal Oil	1,860 05
Flying Horses and Swings	99 20
Theatricals	2,862 00
	$46,015 07

TABLE C—Continued.

General License.

	Dr.	Cr.
By approproation, Ordinance No. 45		$1,300 00
To amount paid for painting numbers, advertising, &c	$1,380 60	
By balance, December 31, 1889		80 60
	$1,380 60	$1,380 60

TABLE C—Concluded.

Collection of Wharfage from January 1, 1889, to December 31, 1889.

DATE.	1st District.	2d District.	3d District.	4th District.	5th District.	Aggregate.
January	$77 50	$266 40	$302 48	$509 75	$1,203 35	$2,359 48
February	23 95	121 79	222 77	506 25	1,055 29	1,930 05
March	72 35	157 88	304 24	474 50	738 77	1,747 74
April	85 00	131 60	200 27	484 75	953 79	1,855 41
May	46 25	204 78	273 00	441 32	933 06	1,898 41
June	71 25	215 04	300 74	431 50	1,043 99	2,062 52
July	78 50	362 47	413 05	421 80	1,089 02	2,364 84
August	27 00	304 34	409 13	435 80	1,271 60	2,447 87
September	75 60	318 83	481 43	539 60	778 87	2,194 33
October	89 75	270 46	658 89	460 75	1,060 06	2,539 91
November	35 30	134 93	530 79	473 25	803 10	1,977 37
December	73 40	164 23	238 73	495 00	943 35	1,914 71
	$755 85	$2,652 75	$4,335 52	$5,674 27	$11,874 25	$25,292 64

Total collections from January 1, 1889, to December 31, 1889		$25,292 64
Less amount paid to Harbor Masters	$5,058 52	
Less amount paid for rent and incidental expenses	522 59	
Less amonnt paid for boatmen's salary	1,200 00	6,781 11
Net revenue		$18,511 53

TABLE D.

Criminal Court.

				Dr.	Cr.
By appropriation, Ordinance No. 45					$60,000 00
To amount paid bailiffs				$ 7,500 00	
"	"	"	Clerk	17,786 55	
"	"	"	State's Attor'y.	15,095 29	
"	"	"	Sheriff	19,301 50	
"	"	"	for Board of Jurors	934 90	
"	"	"	for Stationery Grand Jury	66 30	
"	"	"	attorneys for defending parties charged with infraction of criminal laws	50 00	
"	"	"	for expert testimony	35 00	
"	"	"	W. M. Carey for judge's calendar	200 00	
"	"	"	for photographs	22 00	
"	"	"	for detectives' services and expenses	108 20	
"	"	"	Stenographers	1,018 60	
"	"	"	for witness fees.	97 00	
"	"	"	for erecting scaffold	285 29	
"	"	"	for death watch	210 00	
"	"	"	for chemical analysis	525 00	
"	"	"	for survey	126 00	
"	"	"	grand and petit jurors	15,921 25	
By balance December 31, 1889.					19,282 88
				$79,282 88	$79,282 88

TABLE D—Continued.

Superior Court.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$14,000 00
To amount paid Bailiffs	$ 4,500 00	
" " Clerk	2,528 35	
" " Sheriff	319 00	
" " Janitor	360 00	
" " Jurors	6,166 50	
To balance, December 31, 1889.	126 15	
	$14,000 00	$14,000 00

TABLE D—Continued.

Court Common Pleas.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$14,000 00
To amount paid Bailiffs	$ 4,500 00	
" " Sheriff	359 00	
" " Clerk	2,235 69	
" " Watchman	1,000 01	
" " Jurors	5,515 50	
To balance, December 31, 1889.	389 80	
	$14,000 00	$14,000 00

TABLE D—Continued.

Baltimore City Court.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$13,000 00
To amount paid Bailiffs	$4,500 00	
" " Clerk	1,939 95	
" " Sheriff	342 80	
" " Incidentals	186 45	
" " Jurors	5,460 00	
To balance December 31, 1889	570 80	
	$13,000 00	$13,000 00

TABLE D—Continued.

Circuit Court.

	Dr.	Dr.
By appropriation, Ordinance No. 45		$2,900 00
To amount paid Bailiff and Messenger	$1,500 00	
" " Watchman	900 00	
" " Clerk	215 00	
" " for stationery	181 40	
To balance December 31, 1889	103 60	
	$2,900 00	$2,900 00

TABLE D—Continued.

Circuit Court No. 2.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$2,900 00
To amount paid Bailiff	$1,487 90	
" " Watchman	802 50	
" " Clerk	25 00	
To balance, December 31, 1889.	584 60	
	$2,900 00	$2,900 00

TABLE D—Continued.

Orphans' Court.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$7,500 00
To amount paid Judges	$5,568 00	
" " Bailiff	1,252 00	
" " Janitor	900 00	
" " for incidentals.	137 48	
By balance, December 31, 1889.		357 48
	$7,857 48	$7,857 48

TABLE D—Continued.

Supreme Bench.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$3,075 00
To amount paid Judges	$2,950 00	
To amount paid City Collector for furnishing list of tax-payers	75 00	
To balance, December 31, 1889.	50 00	
	$3,075 00	$3,075 00

TABLE D—Continued.

Magistrates.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$17,000 00
To amount paid Magistrates	$14,665 50	
" " Substitutes	835 50	
To balance, December 31, 1889.	1,499 00	
	$17,000 00	$17,000 00

Fines.

	Dr.	Cr.
By amount of City's proportion of fines		$4,805 36
To amount paid for fines remitted by the Mayor	$1,542 00	
To balance, December 31, 1889.	3,263 36	
	$4,805 36	$4,805 36

TABLE D—Continued.

Judgments and Suits.

	Dr.	Cr.
By appropriation, Ordinance No. 45.....		$2,000 00
To amount paid sundry judgments rendered against the M. & C. C. by the various courts, and for sundry expenses paid.....	$12,363 52	
By balance, Dec. 31, 1889.....		10,363 52
	$12,363 52	$12,363 52

City Council.

	Dr.	Cr.
By appropriation, Ordinance No. 45.....		$57,000 00
To amount paid to members..	$33,008 00	
To amount paid to clerks, &c..	13,800 00	
To amount paid for printing and other expenses.....	10,127 55	
To balance, December 31, 1889.	64 45	
	$57,000 00	$57,000 00

TABLE D—Continued.

Police Department.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$726,431 68
By appropriation, Ordinance No. 45		18,764 92
To amount paid on warrants of the Board of Police Commissioners	$779,941 88	
By balance, December 31, 1889		34,745 28
	$779,941 88	$779,941 88
Received from the City Collector, on account of the levy for the Police Department..		$696,463 27

TABLE D—Continued.

Supervisors of Elections.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$6,000 00
To amount paid Supervisors and Clerks salaries.	$4,749 88	
" " for advertising & incidental expenses	395 24	
" " for extra clerical assistance	172 50	
" " for Counsel	250 00	
To balance, December 31, 1889	432 38	
	$6,000 00	$6,000 00

TABLE D—Continued.

Removed Cases.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$5,000 00
By amount received from County Commissioners of Anne Arundel County		1,199 63
By amount received from County Commissioners of Harford County		104 42
To amount paid to sundry parties	$ 57 20	
To balance, December 31, 1889.	6,246 85	
	$6,304 05	$6,304 05

TABLE D—Continued.

Registration.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$60,000 00
By appropriation, Ordinance No. 142		5,746 74
To amount paid Counsellor of Registers	$ 300 00	
To amount paid Registration Officers and room rent	55,794 34	
To amount paid for advertising, &c	9,044 52	
To balance December 31, 1889.	607 88	
	$65,746 74	$65,746 74

TABLE D—Concluded.

Baltimore City Jail.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$52,250 00
By amount received for board of U. S. prisoners		1,930 90
By amount received for hire of prisoners		447 60
By amount received for jail fees.		121 20
By amount received for death watch		210 00
By amount received for storage.		124 45
To amount paid on warrants of the Board of Visitors	$52,445 63	
To balance, December 31, 1889.	2,638 52	
	$55,084 15	$55,084 15

TABLE E.

Receipts from taxation and other sources, and payments on account of interest on the Stock Debt.

	Dr.	Cr.
Received from the City Collector, on account of the levy for miscellaneous stocks		$925,133 21
Received from the Baltimore and Ohio Railroad Company, interest on the $5,000,000 loan		300,000 00
Received from the Park Board, interest on Public Park and Patterson Park Extension loan		41,333 96
Received from Water Board for interest on Water loans of 1894, 1916, 1922 and 1926		488,630 00
Received from Western Maryland Railroad Company, interest on 1925 loan		41,370 00
Paid interest on Stock Debt.	$1,872,851 36	
By balance, December 31, 1889		76,114 19
	$1,872,581 36	$1,872,581 36

TABLE E—Continued.

Receipts on account of Sinking Funds.

	Dr.	Cr.
Received from City Passenger Railway Companies, for Park Sinking Fund, as follows:		
Baltimore City Passenger Railway Company		$6,447 61
Citizens' Passenger Railway Company		3,896 59
North Baltimore Passenger Railway Company		4,578 86
York Road Passenger Railway Company		305 37
Central Passenger Railway Company		1,569 03
Peoples' Passenger Railway Company		1,987 01
Highlandtown and Point Breeze Railway Company		73 22
Baltimore Union Passenger Railway Company		2,290 38
To amount paid Commissioners of Finance	$21,148 07	
	$21,148 07	$21,148 07

TABLE E—Continued.

Loans.

	Dr.	Cr.
Amount borrowed from sundry parties		$3,061,000 00
To amount paid sundry parties	$2,296,000 00	
To balance, December 31, 1889	765,000 00	
	$3,061,000 00	$3,061,000 00

TABLE E.--Continued.

General Interest.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$ 90,000 00
By amount received from City Collector for interest on arrears of taxes		134,474 17
To amount paid for interest on loans and accounts due by the Mayor and City Council of Baltimore	$139,409 07	
To balance, December, 31, 1889	85,065 10	
	$224,474 17	$224,474 17

TABLE E—Continued.

Water Board.

	Dr.	Cr.
By balance, January 1st, 1889.		$ 24,557 78
By amount received from water rents and other sources		820,253 15
By amount received from City Collector on account of water tax.....		51,587 57
To amount paid on warrants of the Water Board for interest on loans, salaries and other expenses.....	$874,095 33	
To balance, December 31, 1889	22,303 17	
	$896,398 50	$896,398 50

TABLE E.—Continued.

Dog Pound.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$1,000 00
By amount received for dead dogs		168 55
By amount received for dogs sold at auction		2 00
By amount received for dogs redeemed		266 25
To amount paid for dogs captured	$ 700 00	
To amount paid for ground rent	300 00	
To balance, December 31, 1889	436 80	
	$1,436 80	$1,436 80

TABLE E—Continued.

Public Schools.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$132,000 00
To amount paid on warrants of the Board of School Commissioners	$131,214 71	
To balance, December 31, 1889	785 29	
	$132,000 00	$132,000 00
Receipts from various sources.		
From the City Collector, account of the tax levy		$599,286 89
From the State, city's proportion of State tax		162,142 09
From John F. Plummer, executor		129 55
From H. M. Cowles, secretary		3,446 25
		$765,004 78

TABLE E.—Continued.

Public Schools—Salaries.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$630,000 00
To amount paid on warrants of the Board of School Commissioners	$628,631 40	
To balance, December 31, 1889	1,368 60	
	$630,000 00	$630,000 00

Manual Training School.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$20,000 00
By appropriation, Ordinance No. 8		2,066 00
To amount paid on warrants of the Board of School Commissioners	$22,055 30	
To balance, December 31, 1889	10 70	
	$22,066 00	$22,066 00

TABLE E—Continued.

City Property.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$4,200 00
By sundry parties, for ground rents due the city		160 00
To amount of rents paid to sundry parties	$3,697 84	
To balance, December 31, 1889	662 16	
	$4,360 00	$4,360 00

TABLE E—Continued.

Special Appropriations.

	Dr.	Cr.
By appropriation, Resolution No. 33, in favor Isaac Elsasser.....	$ 30 00	$ 30 00
By appropriation, Resolution No. 37, in favor of widow of J. T. Edwards.....	900 00	900 00
By appropriation, Resolution No. 41, in favor of D. N. Henning.	300 00	300 00
By appropriation, Resolution No. 38, in favor of G. Lane Taneyhill..	100 00	100 00
By appropriation, Resolution No. 72, in favor of Geo. W. Forman	120 00	120 00
By appropriation, Ordinance No. 31, in favor of Veteran Volunteer Fireman's Association....	460 00	460 00
By appropriation, Resolution No. 90, in favor of B. F. Williams.	50 00	50 00
By appropriation, Resolution No. 100, in favor of Isaac S. Filbert & Co.....	155 80	155 80
By appropriation, Resolution No. 114, in favor of Alex. Blair...	30 00	30 00
By appropriation, Resolution No. 140, in favor of H. R. Curley..	200 00	200 00
By appropriation, Resolution No. 144, in favor of Augustus Bouldin.....	160 00	160 00
By appropriation, Resolution No. 157, in favor of John Meushaw.	100 00	100 00
By appropriation, Resolution No. 153, in favor of Alex. Megary.	96 50	96 50
By appropriation, Resolution No. 164, in favor of Dr. J. H. Branham.....	150 00	150 00
	$2,852 30	$2,852 30

TABLE E—Continued.

Gas and Electric Lights.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$239,000 00
By appropriation, Ordinance No. 45		5,477 59
To amount paid for electric lights	$ 98,593 10	
To amount paid for gas	136,258 06	
To balance, December 31, 1889.	9,626 43	
	$244,477 59	$244,477 59

TABLE E—Concluded.

Water Loan 1926.

	Dr.	Cr.
By balance, January 1, 1889..		$ 45,115 91
By amount received from sale of bonds.....		218,000 00
To amount paid on warrants of the Water Board.....	$263,115 91	
	$263,115 91	$263,115 91

State Tax on City Loans.

	Dr.	Cr.
By appropriation, Ordinance No. 45.....		$18,000 00
By amount received from City Register, Commissioners of Finance and Western Maryland Railroad, account of State Tax on City loans.....		21,306 06
To amount paid State Treasurer.	$33,271 48	
To balance, December 31, 1889..	6,034 58	
	$39,306 06	$39,306 06

TABLE F.

Druid Hill and Patterson Parks.

	Dr.	Cr.
By balance, January 1, 1888		$ 2,818 84
" amount received from City Passenger Railway Companies, as follows:		
From Baltimore City Passenger Railway Company....		67,124 46
From Citizens' Passenger Railway Company. ...		15,586 37
From York Road Passenger Railway Company.....		1,221 51
From North Baltimore Passenger Railway Company..		18,315 40
From Central Passenger Railway Company.....		6,276 13
From People's Passenger Railway Company		7,948 06
From Point Breeze Passenger Railway Company.....		292 87
From Baltimore Union Passenger Railway Company.		9,161 49
By amount received from Park Commissioners on account of Druid Hill Park.		3,647 62
By amount received from Park Commissioners on account of Patterson Park..		593 00
To amount paid on warrants of the Park Commissioners.....	$122,546 12	
To balance, December 31, 1889.....	10,439 63	
	$132,985 75	$132,985 75

TABLE F—Concluded.

Riverside Park.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$3,000 00
By amount received from Public Park Commissioners		5 00
To amount paid on warrants of the Park Commissioners	$2,930 60	
To balance, December 31, 1889	74 40	
	$3,005 00	$3,005 00

Federal Hill Park.

	Dr.	Cr.
By appropriation, Ordinance No. 45		$2,000 00
By appropriation, Resolution No. 155		2,000 00
By amount received from Public Park Commissioners		275 00
To amount paid on warrants of the Park Commissioners	$3,927 79	
To balance, December 31, 1889	347 21	
	$4,275 00	$4,275 00

STATEMENT A.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
PUBLIC SQUARES.					
Johnston Square	$ 900 00	$ 897 71	.....	.....	$ 2 29
Collington Square	1,651 24	1,586 35	.....	.....	64 89
Harlem Park	4,000 00	3,999 85	.....	.....	15
Eutaw Squares, first division.	1,300 00	1,300 00	.....	.....	.....
Eutaw Squares, second division	1,300 00	1,300 00	.....	.....	.....
Mount Vernon Squares	500 00	500 00	.....	.....	.....
Park Place Squares	500 00	500 00	.....	.....	.....
Broadway Squares, first div.	1,952 50	1,913 96	.....	.....	38 54
Broadway Squares, sec. div.	4,000 00	3,949 74	.....	.....	50 26
Madison Square	1,200 00	1,194 32	.....	.....	5 68
Lafayette Square	1,200 00	1,010 00	.....	.....	190 00
Franklin Square	1,400 00	1,400 00	.....	.....	.....
Jackson Square	800 00	799 92	.....	.....	08
Perkins' Spring Square	1,000 00	1,000 00	.....	.....	.....

Eastern Fountain	1,000 00	1,000 00			
Ashland Square	150 00	149 44			56
Union Square	1,600 00	1,429 62			170 38
Baker Circle and Fulton avenue Squares	3,500 00	3,492 63			7 37
Mt. Royal avenue Square	1,000 00	998 49			1 51
Frick's Triangle	50 00	49 00			1 00
Taney Place Squares	400 00	365 39			34 61
HEALTH DEPARTMENT.					
General Health	13,026 87	13,026 87			
Salaries	32,425 00	32,425 00			
Quarantine Hospital	18,000 00	17,643 12	4,692 09		5,048 97
Nuisances	10,045 25	8,181 25			1,864 00
Post Mortems	1,000 00	1,000 00			
HARBOR BOARD.					
Dredging, salaries, &c	40,000 00	39,338 23			661 77
Ice-boat F. C. Latrobe	12,000 00	9,494 74			2,505 26
Repairs of wharves	3,000 00	1,717 53			1,282 47
Repairs of City Dock	6,000 00	3,125 29			2,874 71
Bulkhead Little Hawkins' Pt.	3,500 00	3,430 36			69 64
CLEANING STREETS.					
Salaries, cleaning streets, &c.	258,776 00	254,721 12			4,054 88
Removal of garbage	8,000 00	8,000 00			
	$435,176 86	$420,939 93	$4,672 09		$18,929 02

STATEMENT A—Continued.

ACCOUNTS.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
CITY COLLECTOR.					
Salaries, incidentals, &c.....	$53,100 00	$52,246 02	.....	.....	$ 853 98
Appeal Tax Court	450 00	268 52	.....	.....	181 48
CITY POOR.					
Bayview Asylum.....	85,000 00	81,920 32	$ 2,752 38	.....	5,832 06
House of Refuge	20,000 00	20,000 00	.....	.....	.....
House of Reformation.....	8,000 00	8,000 00	.....	.....	.....
St. Mary's Industrial School.	20,000 00	20,000 00	.....	.....	.....
Baltimore University.....	2,535 00	2,535 00	.....	.....	.....
Maryland General Hospital...	4,435 00	3,958 30	.....	.....	476 70
Mount Hope Retreat.....	24,000 00	24,000 00	4,535 00	.....	4,535 00
Maryland Hospital for Insane	12,000 00	12,000 00	1,620 00	.....	1,620 00
Deaf and Dumb at Frederick.	200 00	200 00	.....	.....	.....
Widows & Orphans, war of 1812	100 00	100 00	.....	.....	.....
Maryland University.....	6,750 00	6,750 00	.....	.....	.....

Washington University	6,750 00	6,750 00			
Female House of Refuge	3,000 00	3,000 00			
St. Vincent's Infant Asylum	5,000 00	4,999 98			02
Home of the Friendless	2,100 00	2,100 00			
Nursery and Child's Hospital	3,500 00	3,250 00			250 00
St. Elizabeth's Colored Orphan Asylum	2,000 00	1,999 95			05
Industrial Home for Colored Girls	4,000 00	4,000 00			
Boys' Home Society	3,000 00	3,000 00			
St. Mary's Female Orphan Asylum	4,000 00	3,791 65			208 35
Balto. Manual Labor School	1,000 00	1,000 00			
Shelter for Aged Colored Poor	1,000 00	1,000 00			
St. Mary's Home for Colored Children	500 00	500 00			
St. Joseph's House of Industry	500 00	500 00			
Hospital of the Good Samaritan	845 00	761 86			83 14
DISPENSARIES.					
Homœpathic, free	700 00	700 00			
Northeastern	900 00	900 00			
Eastern	700 00	700 00			
	$276,065 00	$270,931 60	$8,907 38		$14,040 78

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Southern	$ 1,200 00	$ 1,200 00			
Baltimore, general	600 00	600 00			
Baltimore Medical	1,000 00	1,000 00			
Northwestern	400 00	400 00			
Physicians and Surgeons	800 00	800 00			
Woman's and Child's Hospital	500 00	500 00			
Baltimore University	600 00	600 00			
University of Maryland	800 00	800 00			
Polyclinic, free	300 00	300 00			
College of Dental Surgery	500 00	500 00			
Balto. Eye, Ear and Throat Charity Hospital	500 00	500 00			
GENERAL SUP'T LAMPS' DEP'T.					
Gasoline lamps, lamp pillars, &c.	15,500 00	15,480 13			$ 19 87

Lamplighters' salaries	46,514 00	46,514 00			
Inspecting gas meters			2,570 50		2,570 50
General Sup't of Lamps	300 00	300 00			
INSPECTOR OF BUILDINGS' DEPARTMENT.					
Salaries, incidentals, &c.	6,200 00	6,200 00			
Repairs of Public Schools	9,000 00	8,998 96			1 04
Repairs of City property	18,000 00	17,996 15			3 85
Permits for sheds, boilers, &c.		1,211 37	8,492 26		7,280 89
Cleaning cess-pools	1,200 00	1,194 00			6 00
Building Grammar School No 2	15,000 00	14,992 49			7 51
Building Colored School, W. Balto	15,140 00	15,126 40			13 60
Painting School Houses	4,000 00	3,994 19			5 81
Sanitary Improvements, Public Schools	3,000 00	2,920 18			79 82
Wood ceilings in Public Schools	1,000 00	1,000 00			
Extra help	500 00	500 00			
Rebuilding wall of No. 10 Engine House	1,000 00	1,000 00			
	$142,954 00	$144,027 87	$11,062 76		$9,988 89

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
New Bell on No. 5 Truck House	$ 250 00	$ 325 00	$ 75 00	.....	.....
Building addition to No. 11 Primary School	12,000 00	11,253 76	.....	.....	$ 746 24
Purchase of lot and building No. 15 Engine House	17,000 00	16,998 71	.....	.....	1 29
Building Manual Training School	25,000 00	12,230 68	.....	.....	12,769 32
Gun Racks, Howard Zouaves' Armory	300 00	294 50	.....	.....	5 50
Purchase of lot and building M. & F. Primary No. 31	20,500 00	2,504 00	.....	.....	17,996 00
Improvements No. 2 Truck House	150 00	150 00	.....	.....	.....

Purchase of lot and building M. & F. Grammar School No. 20	33,000 00	8,216 07	.....	.....	24,783 93
Building No. 13 Primary School	21,000 00	7,903 13	.....	.....	13,096 87
Building No. 8 Grammar School	21,000 00	6,661 75	.....	.....	14,338 25
Purchase of lot and building English-German School No. 5	40,000 00	15,255 08	.....	.....	24,744 92
Purchase of lot and building Primary School No. 24	28,500 00	12,222 65	.....	.....	16,277 35
Purchase of lot and building Grammar & Primary School	33,000 00	11,803 15	.....	.....	21,196 85
CITY COMMISSIONER'S DEP'T.					
Salaries, incidentals, &c	9,100 00	9,037 98	.....	.....	62 02
Livery	1,000 00	992 33	.....	.....	7 67
Improvement Jones' Falls	.....	60,719 17	69,995 39	.....	9,276 22
Repairs paved streets	70,000 00	69,924 59	1,323 59	.....	1,399 00
Repairs of bridges	4,673 79	4,671 59	12 50	.....	14 70
Repairs of sewers	6,000 00	5,957 05	3,647 69	.....	3,690 64
Light street bridge	6,720 47	6,214 67	61 15	.....	566 95
Iron plates	3,000 00	2,498 07	14 36	.....	516 29
Cross streets	13,203 91	13,081 51	.....	.....	122 40
	$365,398 17	$278,915 44	$75,129 68		$161,612 41

STATEMENT A—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Improvement Harford Run...	.....	$19,985 90	$52,426 79	.....	$32,440 89
Flag and stepping stones.....	$ 2,500 00	2,487 59	.....	.....	12 41
Repairs unpaved streets.....	1,300 00	1,297 21	.....	.....	2 79
Paving City property.....	700 00	658 54	.....	.....	41 46
Sewer in Fulton avenue.....	23,000 00	17,063 04	.....	.....	5,936 96
Foot bridge at Nanticoke st.	75 00	34 72	.....	.....	40 28
Inlets at Broadway sewer.....	1,100 00	970 21	.....	.....	129 79
Sewers and inlets Mt. Royal av	11,000 00	10,223 74	.....	.....	776 26
Shelling Eastern avenue.....	500 00	499 73	.....	.....	27
Shelling Loney's lane.....	500 00	492 94	.....	.....	7 06
Sewer in Preston street.....	85,000 00	21,585 95	33 33	.....	63,447 38
Iron plates, Charles & North avenues	1,400 00	1,377 66	.....	.....	22 34
Central avenue sewer.....	330 43	330 43	.....	.....	.....
Low street sewer.....	5,500 00	4,854 58	.....	.....	645 42

Ensor street sewer	5,000 00	4,982 98	.....	.....	17 02
Trapping inlets, Lexington, Howard and other sereets	975 00	789 38	.....	.....	185 62
Trapping inlets, Calhoun and Lanvale streets	1,500 00	1,017 85	.....	.....	482 15
Improving Park corner Charles street and North avenue	300 00	296 38	.....	.....	3 62
Traps and inlets, Broadway sewer	1,300 00	1,205 64	.....	.....	94 36
Patterson Park sewer	35,000 00	33,191 19	.....	.....	1,808 81
Patapsco street sewer	3,000 00	2,979 65	2 00	.....	22 35
Iron plates, Lancaster & Burke streets	750 00	573 04	.....	.....	176 96
Wilkens' avenue bridge	6,000 00	5,965 34	117 73	.....	152 39
Jenkins' Run sewer	58,000 00	3,676 77	.....	.....	54,323 23
Rebuilding Light st. bridge	80,000 00	7,375 22	.....	.....	72,624 78
Cedar avenue bridge	60,000 00	682 07	.....	.....	59,317 93
Presbury street sewer	33,500 00	16,680 59	.....	.....	16,819 41
Fremont street sewer	175,000 00	9,418 99	.....	.....	165,581 01
Eager street sewer	53,300 00	5,958 59	.....	.....	47,341 41
Macadamizing Garrison lane	2,000 00	1,984 11	.....	.....	15 89
Board walk at Edmondson av.	600 00	586 12	.....	.....	13 88
Wolfe street sewer	38,700 00	5,643 68	.....	.....	33,056 32
	$687,830 43	$184,869 83	$52,579 85		$555,540 45

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Pulaski street sewer	$45,000 00	$ 2,580 61			$42,419 39
Kerbing Fulton avenue	675 97	675 97			
Vaults and areas			$ 909 89		909 89
Repairing floor, Calvert street bridge	536 05	536 05			
Repairing floor, St. Paul street bridge	946 27	946 27			
Boston street bridge	50,000 00	132 57			49,867 43
FIRE DEPARTMENT.					
Salaries, new apparatus, repairs, &c	232,064 25	232,063 53	502 25		502 97
Fire-alarm boxes, various places	1,493 43	1,493 43			
New machinery, P. and F. A. Telegraph	3,890 60	3,890 60			

Chemical Engine, No. 15 Engine House	1,200 00	1,198 77			1 23
Repairing machinery, P. and F. A. Telegraph	723 00	723 00			
MISCELLANEOUS.					
Mayoralty	3,000 00	1,815 06			1,184 94
Transportation of Poor	1,000 00	926 28	20 40		94 12
Auction duties			5,340 90		5,340 90
City Librarian	7,500 00	7,499 02	24 50		25 48
Refunded taxes		2 005 81		2,005 81	
Court House	6,000 00	6,000 00	50 09		50 09
Masonic Hall	3,393 00	3,356 25			36 75
General expense	1,200 00	1,155 57			44 43
Superintendent of City Hall	17,125 00	16,915 95	63 10		273 15
Public printing	1,608 35	981 18	233 00		860 17
Assistance to Examiner of Titles	1,000 00	456 50			543 50
Coroners	2,400 00	2,386 66			13 34
Salaries	72,369 60	72,241 27			128 33
Commissioners for Opening Streets	200 00	143 16			56 84
Elections	9,500 00	7,690 93			1,809 07
Tax Sales		9,491 75	2,638 34	6,853 41	
	$462,825 52	$377,306 19	$9,782 47	$8,859 22	$104,169 02

STATEMENT A—Continued.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Transportation to House of Correction	$ 200 00	$ 212 00	.....	$12 00	.....
Maryland Institute	6,000 00	6,000 00	.....	.....	.....
Insurance of Bayview Asylum	1,305 00	1,295 00	.....	.....	$10 00
Ringing Mechanic's bells	200 00	200 00	.....	.....	.....
Winding Maryland Institute clock	75 00	75 00	.....	.....	.....
Enoch Pratt Free Library	50,000 00	50,000 00	.....	.....	.....
Ice-boat Maryland	10,000 00	10,000 00	.....	.....	.....
City seals	.....	.....	$ 41 25	.....	41 25
Removal of refuse of packing houses	7,500 00	7,500 00	.....	.....	.....
Building new ice-boat	60,000 00	60,000 00	.....	.....	.....
Unclaimed damages	.....	765 00	827 00	.....	62 00
Rent of Circuit Court No. 2	900 00	773 37	.....	.....	126 63

Furnishing Circuit Court No. 2	300 00	300 00	.....	.....	.....
Conscience fund.....	.....	.....	40 00	....	40 00
Care of Circuit Court No. 2..	750 00	741 57	.....	.....	8 43
Livery, Inspector of Gas & Oils	300 00	275 00	.....	.....	25 00
Purchase of lot adjoining E. F. High School.....	15,642 26	15,642 26	.....	.....	.....
Patterson Park extension....	200,338 93	14,595 71	4 32	.....	185,747 54
Repairs B. L. I. Armory.....	1,000 00	1,000 00	.....	.....	.....
Condemnation of Federal Hill	.....	262 50	.....	262 50	... .
Sale of City property.....	.....	227 17	3,700 00	.....	3,472 83
New bell on City Hall.....	2,943 00	2,943 00	.....	.....	.....
Telephone conduits.....	.....	.....	1,500 00	.....	1,500 00
	$357,454 19	$172,807 58	$6,112 57	$274 50	$191,033 68

STATEMENT B.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Oliver street	.....	$ 2 00	$ 1,284 06	.....	$ 1,282 06
Opening Townsend street	.....	42 50	2,369 09	.....	2,326 59
Opening Mount street	$ 4,148 29	7,110 96	2,666 00	$ 296 67	.....
Opening Burke street	.....	301 07	3,922 39	.....	3,621 32
Opening German street	.....	444 45	.....	444 45	.....
Opening Preston street	.....	1,376 00	.....	1,376 00	.....
Opening Chester street	12,914 29	16,879 85	5,455 54	.....	1,489 98
Opening Patterson Park ave.	26,355 32	49,519 66	22,437 87	726 47	.....
Opening Carey street	.....	111 29	1,341 65	.....	1,230 36
Opening Tennant street	.....	10 00	.....	10 00	.....
Opening Russell street	.....	35 00	.....	35 00	.....
Opening Barclay street	.....	421 68	.....	421 68	.....
Opening Patapsco alley	.....	10 00	.....	10 00	.....
Opening Biddle street	.....	105 35	.....	105 35	.....
Opening Beverlin street	4,797 44	7,900 00	3,030 82	71 74	.....

Opening John street	2,201 00	843 75	.....	.....	1,357 25
Opening Clement street	821 25	2,384 86	2,148 82	.....	585 21
Opening Federal street	18,337 65	36,508 57	18,379 33	.....	208 41
Opening Johnson street	.....	229 92	.....	229 92	.....
Opening West street	3,830 33	4,400 00	771 50	.....	201 83
Opening Lanvale street	.....	21 56	2,393 86	.....	2,372 30
Opening Scott street	.....	136 73	14 50	122 23	.....
Opening Collington avenue	19,001 97	28,006 57	7,850 55	1,154 05	.....
Opening Mosher street	.....	151 50	177 50	.....	26 00
Opening Mulberry street	12,336 60	19,230 93	7,665 69	.....	771 36
Opening Etting street	.....	62 16	1,286 22	.....	1,224 06
Opening Race street	554 62	71 96	50 75	.....	533 41
Opening Beason street	.....	224 72	1,400 50	.....	1,175 78
Opening Payson street	31,966 26	63,329 60	32,098 29	.....	734 95
Opening Nanticoke street	.....	45 00	1,320 70	.....	1,275 70
Opening Harlem avenue	4,832 74	10,656 14	5,314 50	508 90	.....
Opening Saratoga street	5,568 98	10,900 00	5,907 31	.....	576 29
Opening Madison street	.....	85 01	.....	85 01	.....
Opening Henry street	.....	42 50	.....	42 50	.....
Opening Clare street	.....	119 42	.....	119 42	.....
Opening Exeter street	9,594 01	11,035 32	743 23	698 08	.....
Opening Hollins street	.....	362 60	.....	362 60	.....
Opening 10 feet alley, McKim to Hillman street	.....	40 10	.....	40 10	.....
Opening Brice alley	.....	157 37	.....	157 37	.....
	$157,260 75	$273,316 10	$130,030 67	$7,017 54	$20,992 86

STATEMENT B—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Webster street		$ 158 42		$158 42	
Opening Dallas street	$ 310 83	877 96	$ 522 50	44 63	
Opening Wooster street		79 64		79 64	
Opening Carroll street		15 00	446 25		$ 431 25
Opening Cooksie street		63 71		63 71	
Opening Randall street		151 46		151 46	
Opening Andre street	5,220 32	13,494 50	8,510 00		235 82
Opening Richardson street		227 26	394 62		167 36
Opening Morris alley		312 07		312 07	
Opening Rope Walk lane		111 25		111 25	
Opening Bouldin alley		213 13		213 13	
Opening Francis street		239 95		239 95	
Opening Calhoun street	2,414 45	3,585 92	3,702 37		2,530 90
Opening Carrollton avenue		138 10	819 46		681 36
Opening Cemetery lane		103 80		103 80	

Opening Towson street	7,803 62	13,472 95	5,673 25		3 92
Opening Clemm street	1,570 57	4,874 75	3,517 00		212 82
Opening Castle alley		46 70		46 70	
Opening Spring street		107 03		107 03	
Opening Elizabeth lane		43 13		43 13	
Opening Orleans and Low sts.		106 75		106 75	
Opening Chew street		78 65		78 65	
Opening Eastern avenue		43 75		43 75	
Opening Cannon street		6,230 58	2,766 60	3,463 98	
Opening Lawrence street		274 51		274 51	
Closing Butchers' lane		2,110 63	2,255 03		144 40
Closing Fourth street		194 81		194 81	
Closing Brown's lane		422 01		422 01	
Closing 15 feet alley, Collington to Patterson Park ave.		60 74		60 74	
Closing Belvidere street		65 73		65 73	
Closing Philadelphia road		3,065 21	3,410 92		345 71
Closing Birckhead street		142 03		142 03	
Opening Pulaski street	14,621 15	23,398 82	9,494 55		716 88
Opening Douglas street		1,954 99		1,954 99	
Opening Broadway			367 37		367 37
Opening Lovegrove alley		263 58		263 58	
Opening Fairmount avenue		450 28	12 37	437 91	
Opening Nicholson street		182 25		182 25	
Opening Stockholm street		2,375 00	330 00	2,045 00	
	$31,940 94	$79,737 05	$42,222 29	$11,411 61	$5,837 79

STATEMENT B—Continued.

Accounts.	Appropriations	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening Regester street		$ 274 98		$ 274 98	
Opening Ann street		278 30		278 30	
Opening Baltimore street		1,298 34		1,298 34	
Opening Stoddard alley		121 18		121 18	
Opening McCulloh street		1,759 28		1,759 28	
Opening Fayette street		681 51		681 51	
Opening Brevard street		201 18		201 18	
Opening Fifth lane		55 46		55 46	
Opening Patterson avenue		170 02		170 02	
Opening Whitelock street		407 09		407 09	
Opening Florence street		218 22		218 22	
Opening East Baltimore street		658 69		658 69	
Opening Pinkney street		112 20		112 20	
		$6,236 45		$6,236 45	

TABLE G.

Amount paid for paving streets, also the amount received from the City Collector, payments by sundry parties.

		Dr.	Cr.
Paving	Broadway		$ 229 68
"	Biddle street	$ 13,478 38	13,945 38
"	Monroe street	594 45	
"	Harlem avenue	432 06	
"	Bond street		1,230 05
"	Townsend street		653 82
"	Falls road	9,602 57	
"	Madison avenue	5,942 36	
"	Cathedral street	23,391 11	68 60
"	Washington avenue	8,311 05	
"	Chester street	921 73	40 63
"	Hoffman street		52 89
"	Monument street	87 51	
"	McHenry	346 77	10 64
"	German		123 87
"	Liberty		88 02
"	Orleans	2,059 02	2,042 90
"	Edmondson avenue	985 09	729 61
"	Wilkens' avenue	4,226 25	2,197 05
"	Fulton avenue	6,841 90	15,680 73
"	Gold street	818 21	222 67
"	Bethel street	242 52	
Amounts carried forward		$78,280 98	$37,316 54

Amounts brought forward..	$ 78,280 98	$37,316 54
Paving Box alley.....		93 51
" Lanvale street.....	990 25	538 13
" Gay street.....		1,015 91
" Patterson Park ave...	7,287 21	4,922 20
" Wolfe street.....	13,153 09	12,867 54
" Ostend street.....		2,730 71
" Holbrook		4,533 65
" North avenue	488 69	7,093 09
" Cannon street.....	9,599 09	9,125 96
" Mt. Royal avenue	5,931 01	
" Federal street.....	1,069 31	599 99
" Hanover		685 12
" Millington avenue....	198 11	200 00
" Interest		1,653 68
" Clement street.....	31 80	
" Oliver street	82 99	
By balance, December 31, 1889		33,736 50
	$117,112 53	$117,112 53

TABLE H.

Showing amounts expended in the annexed territory.

Accounts.	Appropriations.	Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Lamp pillars	$1,960 00	$1,960 00			
Lamplighters	4,395 30	8,970 00		$4,574 70	
Gas and electric lights	3,430 00	3,430 00			
Fire Department	16,206 75	24,386 27		8,179 52	
Cleaning streets	8,429 76	13,248 87		4,819 11	
Health, salaries	2,600 00	2,599 80			20
Nuisances	1,225 00	1,210 26			14 74
Shelling Franklin road	500 00	477 16			22 84
" North avenue	2,000 00	1,943 94			56 06
Repairs, streets, roads, &c	8,676 80	8,774 75		97 95	
Footbridge at Gwynn's run	300 00	227 98			72 02
Clipper bridge	200 00	194 72			5 28
Footbridge Union avenue	125 00	105 37			19 63
Graveling North avenue	400 00	386 35			13 65

Shelling Carroll avenue.....	150 00	149 69	.....	.....	31
Surveying and platting annexed territory.....	5,000 00	4,361 90	.....	.....	638 10
Maryland Hospital for Insane	.....	487 50	.....	487 50	.....
Public schools, general.....	7,102 40	7,098 43	.....	.....	3 97
" " salaries	59,495 15	58,873 15	.....	.....	622 40
Repairs City property.....	2,940 00	2,938 44	.....	.....	1 56
Taxes in annex for the year 1888	.....	3,087 85	52,196 45	.....	49,108 60
Purchase of property in annexed territory.....	106,086 84	106,086 84	.....	.....	.....
Special assessment.....	615 92	615 92	.....	.....	.....
Refunded taxes.....	.....	85 50	.....	85 50	.....
Purchase of lot lor and building annex school No. 4.....	26,000 00	5,471 75	.....	.....	20,528 25
Repairing streets, special....	950 00	946 86	.....	.....	3 14
Shelling Maiden's Choice road	200 00	157 71	.....	.....	42 29
	$258,989 32	$258,277 01	$52,196 45	$18,244 28	$71,153 04

ANNUAL REPORT

—OF THE—

INSPECTOR OF BUILDINGS

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1889.

REPORT.

OFFICE OF INSPECTOR OF BUILDINGS,

CITY HALL,

BALTIMORE, MD., December 31st, 1889.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

I have the honor to submit the following report of the operations of this Department, for the year ending December 31st, 1889.

NEW SCHOOL HOUSES.

Grammar School, No. 2, Broadway and Bank Street.

Since my last annual report this school house has been completed and accepted by the Mayor and School Commissioners.

It contains twenty class rooms, and the necessary conveniences for scholars and teachers; ample means

of exit are provided. Smead's warming, ventilating and closet system was adopted in this building, and gives general satisfaction. This school house was built within the amount appropriated by ordinance No. 11, $30,000.

The contractor, Mr. Jas. B. Yeatman, was deservedly complimented by His Honor, Mayor Latrobe, for the satisfactory manner in which the work was executed.

Colored School, No. 9.

As directed by Ordinance No. 13, this house was erected on the corner of Carrollton and Riggs avenues; it is a good, substantial building, and contains twelve class rooms, two teachers', two hat and coat, and two book rooms. The class rooms are light and well ventilated, and will accommodate about 700 children.

The building was accepted by the Mayor and School Commissioners, June 17th, 1889.

NEW SCHOOL HOUSES PROVIDED FOR IN THE $5,000,000 LOAN.

Ordinances were passed by the last Council for the erection of twelve new school houses, and an addition to Primary school, No. 11, Gilmor and Mosher streets.

In designing these buildings I have given careful attention to light and ventilation; abundant means of exit have been provided, extra provisions made for hat and coat rooms, and the convenience and comfort

of both teachers and scholars studied. In all cases where the sum appropriated would admit, Smead's warming, ventilating and closet system has been adopted (thus saving the School Commissioners the cost of furnaces hereafter). The buildings will all be substantial, with a plain, neat appearance.

Progress has been made in accordance with the provisions of these ordinances, as follows:

Primary School, No. 11, Gilmor and Mosher Streets.

The addition to this school, enjoined by Ordinance No. 127, consists of eight class rooms, ample means of exit and stairway, and four hat and coat rooms. This necessary improvement has been completed at a cost less by $746 than the amount appropriated, $12,000, and His Honor, Mayor Latrobe, authorized the School Commissioners to take possession November 13th, 1889. The contractor for this work was Mr. J. J. Willis, and the work was done to my entire satisfaction.

Manual Training School.

Ordinance No. 84, appropriated $25,000 for the erection of a new building in connection with this school. The contract was awarded to Mr. Chas. Dunn, and the building is now under roof. This house will contain eighteen class and drawing rooms, one large assembly room occupying the whole of the first floor, ample stairway, a natatorium, and other conveniences

It will be heated by steam, and there is every prospect of the building being completed within a few months. This house will relieve the crowded condition of the present school, and also save $400.00 annual rent now paid by the School Commissioners for the use of other buildings.

Primary School, No. 13,

Is a new school house now being erected on the north-west corner of Patterson Park avenue and McElderry street, as enjoined by Ordinance No. 133, which appropriated $21,000.00 for the purpose. It contains twelve class rooms, two teachers', one book and eight hat and coat rooms. The Smead system furnishes heat, ventilation and closet accommodations. The successful contractor was Mr. F. T. Gallagher, and the building is now well advanced, being under roof.

Grammar School, No. 8.

As directed by Ordinance No. 142, this house is now being erected on the north-east corner of Hollins and Monroe streets, and, with favorable weather, will be under roof in a few weeks. It contains twelve class rooms, two teachers', one book and eight hat and coat rooms; is amply provided with exit and stairways, and is heated and ventilated by the Smead system. The contract was awarded to Mr. J. J. Willis, and the amount appropriated for the building is $21,000.00. This building will save the School Commissioners $840.00 now paid annually for rent.

Primary School, No. 24,

Is now being erected on Lancaster street, between Harrison and Patuxent streets, in accordance with Ordinance No. 132.

It contains twelve class rooms, and the other conveniences for teachers and scholars; is well provided with exits and stairways, and heated and ventilated by the Smead system. The amount appropriated for the building is $21,000.00, and the contractor is Mr. Jas. B. Yeatman. Satisfactory progress is being made, and the building will be completed by June 1st, 1890.

English-German School, No. 5.

Ordinance No. 143 enjoines the erection of a new house for the above school, and appropriated $25,000.00 for the purpose; it is now being erected on a lot purchased by the City, on the north side of Lexington street, east of Fremont street, eighty-one feet frontage and running back to Waesche street 220 feet. The building when completed will contain sixteen class rooms, two teachers', one book and ten hat and coat rooms, spacious corridors and halls, and ample means of egress. Smead's system will furnish heat, ventilation and closet accommodation. The contract was awarded to Messrs. Phillip Walsh & Sons, and the building will be ready for occupancy by the September term.

Grammar School, No. 20.

This new building is being erected on the north-east corner of Federal and Eden streets. Ordinance No. 126 appropriates $25,000.00 for this purpose. Provisions are made in the drawings for this house for sixteen class rooms and thirteen other rooms for the accommodation of teachers and scholars. Smead's system will also be adopted in this building. The successful competitor for this contract was Mr. Jas. B. Yeatman; the foundations are now being put in and the building will be finished by September 1st, 1890. This house when opened will relieve the crowded condition of the 1200 children now attending No. 20 school, Eden and Preston streets, and also the School Commissioners from an annual rent of $1,200.00.

Annex School, No. 4.

This new school house will be erected on Chestnut avenue near Fourth; it will contain twelve class rooms, two teachers', one book and eight hat and coat rooms. Smead's system will also be applied to this house. The appropriation for the building is $21,000.00, provided for in Ordinance No. 128. The contract was awarded December 19th, 1889, to Mr. J. J. Willis.

Annex School, No. 3.

In accordance with Ordinance No. 134, a lot for the above school was purchased on Huntingdon avenue, near Charles street. Drawings are being prepared for

a house which will contain twelve class rooms, and all other necessary conveniences for teachers and scholars. The amount appropriated is $18,000.00, and the build- will be ready for occupancy by the September term.

New School House, Guilford Ave. and Lanvale St.

Plans for this building have been prepared, and the contract will be awarded in a few days ; they provide for a house containing twelve class rooms, with ample conveniences for the occupants. Smead's system will supply heat, ventilation and closet arrangements. Ordinance No. 129 provides $21,000.00 for the erection of this building, and it will be completed by the September term.

Primary School, No. 31.

Plans are being prepared for a new school house to be erected on the lot now occupied by the present school No. 31, Pierce and Schroeder streets. The amount appropriated by Ordinance No. 167 is $18,000.

Primary School to be erected near Marshall and Randall Streets.

The committee have not succeeded in purchasing a lot for this building. Ordinance No. 131 provides $21,000.00 for the erection of this house.

Colored Primary School, No. 1.

Ordinance No. 144 provides for the purchase of lot and the erection thereon of a new school house within certain prescribed limits. The committee have not been able as yet to secure a suitable lot within those bounds.

REPAIRS TO SCHOOL HOUSES.

Primary School No. 22.

A new closet was erected at this school.

Primary School, No. 25.

New fence and coal sheds were erected, and the roof painted.

Primary School, No. 17.

The closets were enlarged, the old portions being rebuilt, and the roof of school house painted.

Primary School, No. 2.

A doorway was formed on north side of this house to afford increased means of exit, and a new fence was also erected.

Primary School, No. 28.

A new closet and fence were erected.

Primary School, No. 10.

Had a new closet built, a new fence erected and the school house was painted outside.

Primary School, No. 4,

Had a new closet and fence erected, and was painted outside.

Primary School, No, 12,

Had a new tin roof put on.

Primary School, No. 19,

Was ventilated at considerable cost, and a new fence was erected.

Primary Schools, Nos. 3 *and* 21,

Were painted inside and out.

Primary Schools, Nos. 1, 7, 11 *and* 14,

Were painted outside.

Primary School, No. 20,

Was painted inside.

Primary Schools, Nos. 8, 15 *and* 23.

Roofs were painted.

Primary Schools, Nos. 16, 18 *and* 24,

Had new fences erected.

Grammar School, No. 12.

A partition was erected to form private room for the teachers, and a new fence was also built.

Grammar School, No. 13.

A retaining wall was built on the north side of lot, and a fence erected.

Grammar School, No. 8,

Had a new glass partition put in, converting one large room into two class rooms.

Grammar Schools, Nos. 3 *and* 5,

Were painted inside and out, the roof of No. 5 was also painted.

Grammar Schools, Nos. 4 *and* 16,

Were painted outside, and had new fences erected; the roof of No. 16 was also painted.

Grammar Schools, Nos. 6 *and* 10,

Were painted inside, and a new fence erected.

Grammar School, No. 18,

Had roof painted, and new fence erected.

Grammar School, No. 17,

Was painted outside, including roof.

Grammar Schools, Nos. 15 *and* 21,

Had roofs painted.

English-German School, No. 1.

A new closet was built.

English-German School, No. 3.

A dangerous wall was restored and made secure, and a new fence erected.

English-German School, No. 4.

Roof was painted.

Colored School, No. 2,

Was painted inside and out, including roof, and had a new fence erected.

Colored School, No. 3,

Had new fence erected, and was painted outside, including roof.

Colored School, No. 7,

Was painted outside, including roof.

Colored High School.

Roof was painted.

Eastern Female High School,

Had new joists and floor to one of the rooms.

Baltimore City College,

Was painted outside, and the front oiled and penciled.

Grammar School, No. 5.

The damage caused by fire, June 8th, 1889, to this school was a serious drain upon my appropriations; it cost about $1,400.00 to restore the building, which was done without asking for an additional appropriation, but some needed repairs and painting had to be deferred at other schools.

ENGINE HOUSES.

No. 15 Engine House, West Lombard Street.

In accordance with Ordinance No. 34, the dwelling purchased by the City on the north side of Lombard street, between Eutaw and Howard streets, was con-

verted into an Engine House. The amount appropriated for this purpose was $4,000.00. The alterations to the building were made in such manner as to render it as convenient and comfortable for the firemen as possible, although the small amount appropriated made it necessary to somewhat limit the requirements of the Fire Department; the improvements made are such as can be readily extended at a future time. The work was completed and the building transferred to the Fire Department October, 1889.

No. 2 Engine House, Barre Street.

The stalls were remodeled, and a new floor laid.

No. 11 Engine House, Eastern Avenue.

This house was painted, had a new floor and joists laid, and new front doors provided.

No. 8 Engine House, Mulberry Street,

Also had a new floor and joists.

No. 6 Engine House, Gay Street.

New floor and pavement were laid.

No. 13 Engine House, Fremont Street,

Was frescoed and painted.

No. 3 *Engine House, East Lombard Street,*

No. 7 *Engine House, North Eutaw Street,*

No. 12 *Engine House, Fort Avenue,*

No. 4 *Truck House, Biddle Street.*

These houses were painted.

No. 6 *Truck House, Hanover Street,*

No. 9 *Engine House, Madison Street,*

Had the roofs painted.

No. 14 *Engine House, Hollins Street,*

Had a new fence erected at front.

No. 5 *Truck House, Aisquith Street.*

A new stall, and closet with improved apparatus, were placed in this house.

A new bell as enjoined by Ordinance No. 21, was hung in present turret, it weighs 1503 pounds, and appears in every way satisfactory.

No. 2 *Truck House, Paca Street,*

Was ventilated and a new closet furnished as directed by Resolution No. 103.

No. 10 *Engine House, Columbia Avenue.*

The side wall of this house was in a dangerous condition, it was taken out and rebuilt in accordance with Resolution No 108.

MARKET HOUSES.

Belair Market,

Had new valleys, and the roofs painted.

Lexington Market.

The asphalte pavement was considerably worn, and it required over $600 to renovate same.

Centre Market.

Roof repaired and Market Master's Office painted.

N. E. Market.

Roof repaired and painted. A new bell was placed on this market as directed by Resolution No. 47.

Richmond Market.

Resolution No. 82, called for a new vane on this market; one as large as the appropriation would allow was procured and placed in position.

The above named and all other market houses, had all needed repairs and whitewashing executed.

CITY HALL.

The water closets which the Health Deparment threatened to condemn have received attention, as far as my appropriation would justify. All the closets

and urinals for the Tax Department and Water Board were removed and replaced with new ones with improved sanitary appliances, which give satisfaction. A new closet was also put in the Fire Alarm Office. The balance of the closets in the other departments should in my opinion be removed as quickly as possible.

Partitions were erected in the City Commissioner's Department to make private rooms for clerks.

The roof was repaired and the dome painted.

The ceilings of corridors on the first floor and several rooms were neatly frescoed.

To prevent further accident, I would suggest the stairways in the City Hall be remodeled, doing away with the dangerous winders, and substituting a platform stairs.

Scarcely a day passes some one does not fall on the present stairs.

COURT HOUSES.

The several court houses have received all necessary repairs.

CITY JAIL.

A large addition was made to the workshops, and all the buildings kept in good repair. We are indebted to the inmates, under the supervision of Warden John Walters for considerable help in keeping these build-

ings in repair. Whatevr labor the inmates could execute was willingly furnished by the Warden, this department only being called upon to supply materials and expert labor.

CEILINGS OF SCHOOL HOUSES.

I would repectfully request the much needed appropriation for this purpose be continued, until all dangerous plaster ceilings are replaced with wood or iron. On account of the small amount appropriated this year, only eighteen class rooms were made safe, leaving a balance of nearly 500 still to be secured. Portions of plaster ceilings fell in two different school houses in November last.

WASHINGTON'S MONUMENT.

Considerable annoyance and expense have been caused by water leaking through the open joints of the masonry. This trouble has been remedied by having the crevices well caulked. The walls of the interior were painted where needed.

ARMORY HOWARD ZOUAVES.

Gun racks were placed in this Armory as directed by Resolution No. 80, and the officers and members of the corps have expressed their satisfaction at the way the work was executed.

DOG POUND

Received attention; all necessary repairs were executed, and the buildings and fences well whitewashed.

CESSPOOLS.

The cesspools have been kept well cleaned during the year, at a cost not exceeding $1,200. The year previous to the one this department took charge of this work it cost the City $3,757.25. I am pleased to report that a systematic supervision of the work has effected this saving.

STORE FRONTS AND BAY WINDOWS.

I would suggest to your Honorable Bodies that an ordinance be passed requiring the payment of a fee of $5.00 or more, for all permits issued for store fronts projecting beyond the building line. The cost of a bay window two feet by ten feet on the first floor is $100, or $5.00 per square foot. Store fronts are allowed by law to project sixteen inches, and often occupy considerably more area than the bay windows, and for which privilege the owner does not pay. This nominal fee would bring in a small revenue without causing hardship to any one.

PERMITS FOR SHEDS, ETC.

I again respectfully urge upon your Honorable Bodies the necessity of abstaining from granting permits for the erection of sheds, bay windows and other structures, to persons who have not applied for same to this department. Most of these permits can be readily obtained at this office by the payment of the usual fees.

BUILDING LAWS.

After a careful investigation of the laws of other cities, and an exhaustive examination of the subject, the Master Builders and Architects Associations of this City have prepared a code of Building Laws which will be offered to your Honorable Bodies for consideration. I cannot too strenuously urge the adoption of some such code for this City. I deem it imperatively necessary for the safety and protection of our citizens that regulations for the construction and strict inspection of all new buildings be adopted.

FIRE ESCAPES

I have visited all factories, warehouses and other buildings to which my attention has been called, and have issued notices from this office for fire escapes to be erected wherever in my judgment they were needed.

DANGEROUS WALLS, ETC.

During the past year I have inspected and condemned or ordered to be restored and made secure about 158 dangerous walls, besides issuing 312 notices for repairs to spouts, cornices, chimneys, etc.

THE ANNEX.

On account of the limited amount appropriated for this department, I was unable to do all the work necessary, I, however, placed it where most needed, dividing the amount between the nine school houses and seven engine houses, as urgency required.

Annex School No. 8, *Clifton Avenue.*

Roof was repaired and painted.

Annex School No. 9, *Lafayette Avenue.*

All necessary repairs made.

Annex School No. 10, *Frederick Road.*

Roof repaired and a board walk put down from front to rear of lot.

Annex School No. 11, *Frederick Road.*

Roof and fence repaired.

Annex Colored School No. 1, *Merryman's Lane.*

Roof painted and closets repaired.

Annex School No. 7, *Woodberry.*

New closets erected and the school house painted outside.

Annex School No. 1, *Gorsuch Ave., Homestead.*

The cellar was drained, dispensing with a trouble suffered for many years.

Annex School No. 2, *York Road.*

New closets were built and the school painted outside.

Annex School No. 3, Oak and Fifth Streets.

Over 200 panes of glass were put in and the roof repaired.

Annex School No. 5, Merryman's Lane.

The closets were restored and all necessary repairs done.

ENGINE HOUSES.

Annex No. 1 Engine House, Brunswick Street and Frederick Road.

Roof painted, stalls repaired, two rooms and hall papered and side wall tinned to prevent dampness in bed room.

Annex No. 2 Engine House, Mary Street.

New shed and front pavement, roof repaired and painted, and new floor laid in main house.

Annex No. 5 Engine House, Gorsuch Avenue.

New shed, roof repaired and painted and stalls put in order.

Annex No. 4 Engine House, York Road.

Stalls repaired, side wall tinned and rooms papered and roof painted.

Annex No. 6 *Engine House, Belair Road.*

New shed, roof painted and stalls repaired.

Annex Nos. 3 *and* 7 *Engine Houses*

Were overhauled and received all necessary repairs.

The tables accompanying this report will show:

A. The amount of appropriations and disbursements of this Department during the year 1889.

B. The revenues of this office for the same period.

C. The estimate of the amounts required for this Department for 1890.

D. Statement of receipts and expenditure of this Department during the last six years, compared with the previous six years.

All of which I most respectfully submit.

J. THEODORE OSTER,

Inspector of Buildings.

TABLES.

TABLE A.

Showing the amounts appropriated and disbursed for the year 1889.

Object of Appropriation.	Appropria'd.	Expended.	Balances.
For repairs of public school houses	$9,000 00	$8,998 96	$1 04
" " of City property ...	18,000 00	17,996 15	3 85
" substituting wood for plaster ceilings	1,000 00	1,000 00	.....
" emptying cess pools.....	1,200 00	1,194 00	6 00
" painting school houses.....	4,000 00	3,994 19	5 81
" incidental expenses and livery	700 00	700 00	.....
" salaries.....	5,500 00	5,500 00	.....
" completion of No. 2 Grammar School.....	15,000 00	14,992 49	7 51
" completion of No. 9 Colored School.....	15,140 00	15,126 40	13 60
" sanitary improvements.....	3,000 00	2,920 18	79 82
" repairs to City property in Annex.....	2,940 00	2,938 44	1 56
" rebuilding wall at No. 10 Engine House...	1,000 00	1,000 00	.....
" new bell at No. 5 Truck House	325 00	325 00	.....
" extra help...	500 00	500 00	.....
" building addition to No. 11 Primary School.....	12,000 00	11,253 76	746 24
" building Man'l Training School	25,000 00	12,230 68	12,769 32
" " No. 13 Primary "	21,000 00	7,903 13	13,096 87
" " No. 24 " "	21,000 00	4,725 65	16,274 35
" " No. 8 Grammar "	21,000 00	6,661 75	14,338 25
" " No. 20 " "	25,000 00	216 07	24,783 93
" " No. 5 Eng.-Ger. "	25,000 00	255 08	24,744 92
" " No. 4 Annex "	21,000 00	471 75	20,528 25
" " No. 3 " "	18,000 00	.....	18,000 00
" improvements to No. 2 Truck House	150 00	150 00	.....
" building of No. 15 Engine House.....	4,000 00	3,998 71	1 29
" building of No. 31 Primary School.....	18,000 00	4 00	17,996 00
" building of No. 1 Colored Primary School.....	21,000 00	.....	21,000 00
" building of school house Guilford ave. and Lanvale st....	21,000 00	.....	21,000 00
" building of school house near Marshall and Randall sts...	21,000 00	.....	21,000 00
" gun racks, Howard Zouaves' Armory	300 00	294 50	5 50
Totals.....	$351,755 00	$125,350 89	$226,404 11

TABLE B.

Showing the Revenues of this Office for the year 1889.

Permits issued as follows:		
For 22 bay-windows from the ground	$2,200 00	
For 73 bay-windows at upper stories	730 00	
For 925 frame sheds	2,573 49	
For 179 additions to sheds	345 58	
For 501 bath rooms	501 00	
Amount received for old materials	11 22	
Amount received for tapping sewers	125 00	
		$6,486 29
Amount received for advertising applications	$1,571 00	
Paid for same	1,199 89	
		371 11
Net revenue		$6,857 40

TABLE C.

Showing the amount required for this Department for the year 1890.

For repairs of Public School Houses	$10,000 00	
For substituting wood or iron for plaster ceilings	3,000 00	
For painting school houses	5,000 00	
" emptying cesspools	1,400 00	
" incidental expenses, livery and repairs to wagons	700 00	
" salaries	5,500 00	
" repairs to City property	22,000 00	
" sanitary improvements	3,000 00	
" extra out-door help	500 00	
" changing stalls at No. 3 and new floor for No. 10 Engine Houses	1,300 00	
" new pavement for Centre Fish market	2,000 00	
		$54,400 00
" repairs to School and Engine Houses in the Annex		5,000 00
Amount carried forward		$59,400 00

Amount brought forward		$59,400 00
Unexpended amounts of the appropriations from the $5,000,000 loan :		
For building Manual Training School	$12,769 32	
For building No. 13 Primary School	13,096 87	
For building No. 24 Primary School	16,274 35	
For building No. 8 Grammar School	14,338 25	
For building No. 20 Grammar School	24,783 93	
For building No. 5 Eng.-Germ. School	24,744 92	
For building No. 4 Annex School	20,528 25	
For building No. 3 Annex School	18,000 00	
For building No. 31 Primary School	17,996 00	
For building No. 1 Colored Primary School	21,000 00	
For building school house Guilford ave. and Lanvale st	21,000 00	
For building school house near Marshall and Randall sts	21,000 00	
		225,531 89
Total		$284,931 89

TABLE D

Shows the expenditure for Repairs etc. to School Houses, Engine Houses, and cleaning cesspools during the last 12 years, and the revenue of this office for the same period.

	Repairs of School Houses.	Repairs of Engine Houses.	Emptying Cesspools.	
187 ...	$27,848 57	$9,999 80	$2,400 00	
1879...	16,928 26	6,596 39	2,947 45	
1880...	24,997 15	10,893 36	2,227 50	
1881...	22,650 09	6,608 43	3,757 25	
1882...	8,812 06	10,056 99	1,467 50	
1883...	9,997 93	5,464 41	1,497 50	
Total 6 years.....				$175,150 64
1884...	$8,987 25	$5,082 08	$1,462 50	
1885...	9,984 07	5,852 92	1,470 87	
1886...	9,953 88	5,965 67	1,490 25	
1887...	9,994 38	6,665 04	1,494 00	
1888...	9,989 05	6,701 21	1,215 00	
1889...	8,991 96	6,386 46	1,194 00	
Total 6 years				102,880 59
Amount saved during last six years....				$72,270 05

REVENUE.

1878	$3,954 46	1884	$6,263 31
1879	3,739 19	1885	6,658 58
1880	5,017 67	1886	8,262 78
1881	4,818 09	1887	4,893 09
1882	6,702 78	1888	5,250 27
1883	7,718 96	1889	6,857 40
Totol 6 years	$31,951 15	Total 6 years	$38,185 43
			31,951 15
Increase during last 6 years			$6,234 28

I have prepared this table to show that in the last six years, during which I was responsible for the management of this department, a saving has been effected in these three items of expenditure compared with the six previous years of $72,270.05, or an average of more than $1,000.00 per month. This has been accomplished notwithstanding the greater age and the increased number of our school and engine houses. The revenue during the same period shows an increase of $6,234.28, although the fees for telegraph poles, signs and boilers were abolished during the latter six years.

J. THEODORE OSTER,

Inspector of Buildings.

ANNUAL REPORT

—OF THE—

WATER DEPARTMENT

—TO THE—

Mayor and City Council of Baltimore,

—FOR THE—

Fiscal Year Ending December 31, 1889.

Officers of the Water Board,

DECEMBER 31, 1889.

COMMISSIONERS.

HON. ROBERT C. DAVIDSON, MAYOR, *Ex-officio President.*
JOHN F. HUNTER, *Secretary.*
WM. A. MARBURG,
JOHN E. HURST,
JOS. S. HEUISLER,
CLINTON P. PAINE,
FRANCIS H. HAMBLETON.

REGISTRAR'S DEPARTMENT.

E. SHRIVER, *Water Registrar.*
JAMES A. MARRIAN, *General Book-Keeper.*
JAMES S. ETCHBERGER, *Cashier.*
J. J. C. SCULLY, *Clerk of Errors.*
WM. GILMOR, OF WM., *Ledger Clerk.*
E. J. EDWARDS, "
A. J. C. WHITE, "
JOHN GIBSON, "
SAMUEL A. HART, "
J. BEALE HOWARD, "
E. A. HOGG, *Meter and New Supply Clerk,*
T. J. PENNING, *Ass't* " " "
BENJ. PRICE,
GEORGE A. COLEMAN,
JOHN D. ALCOCK,
D. G. CARLISLE,
S. L. AUERBACH,
JOHN F. KERNS,
LEONARD C. HORNICK,
BARNEY L. HESS,
} *District Inspectors and Bill Distributors.*
GEORGE W. EMMERICH, *Special Inspector.*

ENGINEER'S DEPARTMENT.

ROB'T K. MARTIN, *Chief Engineer.*
WM. L. KENLY, *Engineer and Superintendent of County Division.*
ROB'T M. CLAMMITT, *Draughtsman.*
J. P. HUPPMANN, *Clerk—Mechanical Department.*
RICH'D D. MURPHY, " " "

REPORT.

BOARD OF WATER COMMISSIONERS—CITY HALL,

BALTIMORE, January 2d, 1890.

To the Honorable the Mayor

and City Council of Baltimore:

GENTLEMEN:

Pursuant to the requirements of the Ordinance creating the Water Commission, the Board have the honor of submitting their Annual Report for the year 1889.

There remained to the credit of the Water Department on the 31st of December, 1888:

Revenue account	$26,848 57
Permanent supply account	3,833 52
1926 Loan account	45,115 91
Making a total of	$75,798 00
Received from all sources for year ended December 31st, 1889	872,020 61
Total amount at disposal of the Board during the year	$947,818 61

Amount brought forward.....		$947,818 61
The disbursements during the year ended December 31st, 1889, amounted to.....		$919,211 24
Leaving a balance December 31st, 1889...		$28,607 37
Of which there belonged to		
Revenue account.....	24,773 85	
Permadent supply account..	3,833 52	
		$28,607 37

The net revenue for the year 1889 from Water rents, plumbing bills, meter supplies, &c., after deducting $30,698.29 discount on 1889 water rents was $620,433 04

Received of the 1926 Water stock.....	200,000 00
Received Water tax	51,587 57

The receipts of the current year water rents show a decrease of $24,362.10 as compared with the 1888 water rents received in that year. The receipts from 1888, 1887 and 1886 water rents during the year show an increase of $14,687.10 against 1887, 1886 and 1885 water rents collected in 1888.

The receipts from Meter rents,

In 1889, were.....	$106,797 86
In 1888, "	108,364 90

In the year 1888, beginning April 1st, meter rents were reduced 25 per cent., and 1st January, 1889, domestic rents were reduced about $50,000.00.

The total net receipts for 1888.....	$689,300 99
" " " 1889.....	672,020 61
Decrease for 1889.....	$17,280 38

Applications for new supplies made during the year will yield an annual revenue of..... $16,248 00

The new supplies for 1888 at the old rates amounted to..... $19,064 00

Applications for 2366 houses and warehouses were made in 1889 against 2674 houses and warehouses in 1888.

The disbursements for the year include 12 months' interest on $9,900,000 Water stock.....	$488,630 00
For Lake Clifton, distributing mains, completion of Lake Clifton, laying of the 36 in. Force main, Guilford Reservoir, &c., charged to the $1,000,000 loan account..	228,711 70
Working expenses, fire plugs, fountains, &c., &c.....	134,562 50
Distributing mains.....	67,307 04
	$919,211 24

The Commissioners of Finance, at the request of the Water Board, disposed of two hundred thousand dollars of the one million 4 per cent. loan at a premium of 9 per cent., and placed that amount, less the premium, which was paid into the Sinking Fund, to the credit of this Department.

No appropriation having been made during the past year for fire plugs, the Board has been restricted in their erection. Forty-six have, however, been placed at points where they were most needed, and paid for out of the revenue of the department. The total number of plugs now in service is 1215.

In this connection it is proper to consider the relations of fire insurance companies represented by agents. While the erection of plugs and the extension of mains is a matter of mutual convenience and protection, some methods should be devised by which those who are so directly benefited and whose business success depends so largely upon an accessible and abundant flow of water, should contribute in a proportionate degree to its maintenance.

The Superintendent of the New Post Office being desirous of obtaining possession of the building on North street, occupied by the Mechanical Department, which formed part of the property donated by the City to the General Government when the present site was selected. The machinery and supplies were removed and placed temporarily in the old City Hall until the buildings on Oliver street are completed.

A contract has been entered into with the Henry R. Worthington Company for the erection at the Eastern High Service Pumping Station of an improved high duty pump, with a capacity of 5,000,000 gallons per day for the Guilford reservoir and ultimately for in-

creasing the supply in Druid Lake. This latter action is rendered necessary by the decreased flow of the tributaries supplying Lake Roland and by the increased demand upon the higher elevations.

To make the Gunpowder river supply effective for this purpose a 30-inch influent and effluent main has been laid from the Western High Service Reservoir down the Reisterstown road to North avenue, and a 36-inch main influent and effluent from the Eastern High Service Pumping Station on Oliver street along North avenue to the York road. The intervening space between Pennsylvania avenue and North avenue and the York road and North avenue will be closed when the necessity arises.

The various lakes and reservoirs are in excellent condition; the pipe line connecting the Eastern Pumping Station and Guilford Reservoir is nearly completed.

The contractors upon this reservoir, intended to supply all the territory north of Huntington avenue, are making rapid progress.

The results of the reduction in water rates made by the Board in 1888, and which became operative during the past year, have been entirely satisfactory, eighty thousand dollars having been saved to the consumers without impairing the ability of the department to meet the interest on the various loans and pay all current expenses.

When the Board assumed control of the water supply in 1867, the net revenue was two hundred and eighty thousand dollars, since then reductions have been made aggregating annually two hundred and thirty-seven thousand dollars, being in amount almost equal to the net total then received.

This abatement after deducting the water tax of two cents on the hundred dollars levied for use of water for municipal and fire purposes, is equivalent to a reduction of 7½ cents upon the general levy.

By reference to table "F" it will be found that the expenses connected with the Registrar's department (exclusive of stationery) for clerical labor, measurement and re-measurement of houses, inspection of premises, distribution of bills and discovery of supplies introduced without authority, amounts to $24,436.18.

For details of the financial and mechanical condition of the several departments, the Board respectfully refer you to the reports of the Water Registrar and the Engineer-in-Chief.

ROBERT C. DAVIDSON,
President ex-officio,
JOHN F. HUNTER, *Secretary,*
WILLIAM A. MARBURG,
JOHN E. HURST,
JOS. S. HEUISLER,
CLINTON P. PAINE,
F. H. HAMBLETON,
Commissioners.

Water Registrar's Report.

REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL.

BALTIMORE, December 31st, 1889.

To the Honorable the President and
Members of the Water Board:

GELTLEMEN:

City Ordinance No. 10, Section 8, requires the Water Registrar to have prepared annually statements showing the receipts and disbursements of the Registrar's Department.

The following statements for the year ending December 31st, 1889, are respectfully submitted:

RECEIPTS.

From 1889 water rents			.....	$372,372 22
" 1888	"	"	.....	127,714 38
" 1887	"	"	.....	10,233 04
" 1886	"	"	.....	2,792 92
				$513,112 56
" Meter rents			.....	106,797 86
				$619,910 42

Amount brought forward	$619,910 42
Less discount on 1889 water rents	30,698 29
	$589,212 13
Plumbing bills	25,188 40
Interest on back water rents	2,900 99
Distributing mains	1,015 17
Lake Roland	1,751 95
Loch Raven	206 30
Lake Montebello	49 50
Druid Lake	29 75
Hampden Reservoir	27 65
Jones' Falls Conduit	41 20
Mount Royal Reservoir	10 00
	$620,433 04
Water tax	51,587 57
Water stock 1926	200,000 00
Net receipts	$872,020 61

DISBURSEMENTS.

Water meters	$ 2,535 86
Lake Roland	10,481 15
Salaries	32,479 74
Plumbing Department	16,495 52
Pump house	18,392 60
Repairs	14,892 84
Temporary supply	111 50
Current expenses	5,246 31
Druid Lake	3,042 00
Printing and Stationery	1,548 45
High Service Reservoir	553 86
Hampden Reservoir	1,008 32
Mount Royal Reservoir	667 50
Loch Raven	9,422 81
Lake Montebello	2,263 21
Water courses	1,134 96
Jones' Falls Conduit	120 00
Working expenses	120,396 63
Distributing main	67,307 04
Tools and fixtures	5,517 55
Water Meters	1,861 14
Fire plugs, pumps and fountains	5,273 68
Returned money	1,513 50
Lake Clifton	43,710 47
Lake Clifton distributing main	104,144 29
Temporary supply main	6,892 13
" " machinery	240 48
Eastern Pumping Station	4,285 90
Force main	40,804 02
Guilford Reservoir	28,634 41
Interest on water stock	488,630 00
	$919,211 24

The following statements exhibit in detail the financial transactions of the Department for the year 1889. By order of the Board, January 23d, 1888, a new schedule of water rents was adopted, to take effect April 1st, 1888, upon meter rents, and January 1st, 1889, upon domestic rents, thus aggregating to consumers a saving of about eighty thousand dollars for the year 1889.

Statement A, Water Registrar's cash account.
" B, Water Registrar's disbursement account.
" C, trial balance, general ledger.
" D, balance sheet.
" E, receipts.
" F, disbursements.
" G, new supplies.
" H, abatements.
" I, comparative receipts.
" K, balance remaining on the books of the Department December 31st, 1889.
" L, Revenue.

Most respectfully submitted,

E. SHRIVER,

Water Registrar.

STATEMENT I.

Comparative Statement of Receipts for the years 1887, 1888 *and* 1889.

1887.		1888.		1889.	
1887 Water rents	$387,757 02	1888 Water rents	$396,734 32	1889 Water rents	$372,372 22
1886 " "	117,732 40	1887 " "	118,301 84	1888 " "	127,714 38
1885 " "	6,972 39	1886 " "	6,070 40	1887 " "	10,233 04
1884 " "	2,267 25	1885 " "	1,681 00	1886 " "	2,792 92
Meter rents	108,348 94	Meter rents	108,364 90	Meter rents	106,797 86
	$623,078 00		$631,152 46		$619,910 42
Less discount on 1887 water rents	32,020 66	Less discount on 1888 water rents	32,954 67	Less discount on 1889 water rents	30,698 29
	$591,057 34		$598,197 79		$589,212 13
Plumbing bills	39,247 79	Plumbing bills	31,556 06	Interest on back water rents	2,900 99
Interest on back water rents	2,247 08	Interest on back water rents	2,395 29	Plumbing bills	25,188 40
Distributing mains	861 90	Distributing mains	787 02	Distributing mains	1,015 17
Gunpowder real estate and water rights	6,492 66	Lake Montebello	142 78	Lake Roland	1,751 95
Lake Roland	1,031 38	Lake Roland	1,231 51	Loch Raven	206 30
Loch Raven	167 27	Loch Raven	218 46	Lake Montebello	49 50
Pump-house	16 75	Hampden Reservoir	33 00	Druid Lake	29 75
Druid Lake	38 00	Jones' Falls conduit	59 06	Hampden Reservoir	27 65
Lake Montebello	321 00	Mount Royal Reservoir	15 00	Jones' Falls conduit	41 20
Mount Royal Reservoir	16 00	High Service Reservoir	6 50	Mount Royal Reservoir	10 00
Hampden Reservoir	72 25	Druid Lake	11 00		
High Service Reservoir	19 00				
Profit and loss (conscience money)	40 00				
Jones' Falls conduit	50 68				
Mayor and City Council loan	100,000 00				
	$741,679 10		$634,653 41		$620,433 04
Lake Clifton	245 00	Lake Clifton	744 06	Water tax	51,587 57
Appropriation for new fire plugs and fountains	4,000 00	Appropriation for new fire plugs and fountains	5,000 00	Water stock—1926	200,000 00
Water tax	50,421 20	Water stock—1926	400,000 00		
		Water tax	48,903 52		
	$796,345 30		$1,089,300 99		$872,020 61

Jones' Falls Supply for the Year Ending December 31, 1889.

	NUMBER OF GALLONS.							
	Clear Water over Dam.	Muddy Water over Dam	Wastage through bottom Gates Lake Roland.	Clear Water sent from Lake Roland.	Total flow of Jones' Falls per month.	Average flow of Stream per Day.	Average sent to City per Day.	Rain-fall in Inches.
January	696,000,000	.....	478,000,000	438,000,000	1,612,000,000	52,000,000	12,900,000	4.47
February	391,000,000	.....	355,000,000	374,000,000	1,117,000,000	40,000,000	12,000,000	2.59
March	227,000,000	1,167,000,000	941,000,000	504,000,000	2,839,000,000	92,000,000	14,355,000	6.07
April	209,000,000	898,000,000	728,000,000	400,000,000	2,235,000,000	74,500,000	14,867,000	8.21
May	587,000,000	346,000,000	997,000,000	497,000,000	2,427,000,000	78,300,000	16,400,000	6.90
June	189,000,000	1,356,000,000	941,000,000	445,000,000	2,931,000,000	97,700,000	16,500,000	6.47
July	150,000,000	2,282,000,000	2,170,000,000	473,000,000	5,075,000,000	164,000,000	15,258,000	12.37
August	97,000,000	.....	2,000,000,000	504,000,000	2,480,000,000	80,000,000	15,677,420	1.4
September	.....	.....	3,500,000,000	483,000,000	3,983,000,000	132,800,000	15,200,000	6⅝
October	.....	.....	2,900,000,000	490,000,000	3,410,000,000	110,000,000	15,355,000	4.5
November	.....	205,000,000	3,309,000,000	486,000,000	4,000,000,000	133,300,000	14,967,000	6.7
December	1,596,000,000	.....	.....	605,000,000	2,201,000,000	71,000,000	16,129,000	0.75

Gunpowder Water Supply for the Year Ending December 31, 1889.

	Clear Water over Dam.	Muddy Water over Dam	Wastage at Loch Raven Gate House	Clear Water sent to Montebello.	Total flow of Gunpowder.	Average flow per Day.	Average sent to City per Day.	Rain-fall.	Sent to City from both Supplies.
January	5,182,000,000	3,561,000,000	1,748,000,000	1,134,000,000	11,625,000,000	375,000,000	20,516,000	4.26	33,416,000
February	3,633,000,000	1,846,000,000	1,579,000,000	1,065,000,000	8,123,000,000	290,000,000	21,139,000	2.49	33,139,000
March	7,031,000,000	10,847,000,000	1,748,000,000	1,190,000,000	20,816,000,000	671,000,000	20,701,000	5.56	35,056,000
April	5,948,000,000	7,460,000,000	1,691,000,000	1,404,000,000	16,503,000,000	550,000,000	22,800,000	8.56	37,667,000
May	6,320,000,000	4,875,000,000	1,748,000,000	1,134,000,000	14,077,000,000	454,000,000	21,600,000	6.10	39,200,000
June	3,643,000,000	14,396,000,000	1,691,000,000	640,000,000	20,370,000,000	679,000,000	21,520,000	6.07	38,020,000
July	10,274,000,000	16,353,000,000	1,748,000,000	882,000,000	29,257,000,000	944,000,000	23,000,000	14.00	38,258,000
August	3,551,000,000	7,898,000,000	2,575,000,000	1,000,000,000	15,024,000,000	485,000,000	22,677,000	2.6	38,354,420
September	5,033,000,000	8,400,000,000	2,443,000,000	1,026,000,000	16,902,000,000	563,000,000	22,300,000	6.75	37,500,000
October	7,065,000,000	1,700,000,000	2,621,000,000	1,573,000,000	12,959,000,000	418,000,000	23,000,000	4.5	38,355,000
November	7,721,000,000	11,400,000,000	1,691,000,000	1,080,000,000	21,892,000,000	730,000,000	22,000,000	6.9	36,967,000
December	10,178,000,000	.....	1,748,000,000	1,674,000,000	13,600,000,000	439,000,000	20,000,000	0.75	36,129,000,000

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division Baltimore Water Department.

TABULAR STATEMENT.

Size and Number of Feet of Pipe, Stop-Cocks and Branches Laid in the City.

	1½ in.	2 in.	3 in.	4 in.	4½ in.	6 in.	8 in.	10 in.	12 in.	16 in.	18 in.	20 in.	30 in.	36 in.	40 in.	Total of Pipe.
No. of feet of pipe laid previous to purchase by Water Company	.....	13,203	95,411	31,876	72,462	60,704	10,040	14,330	12,209	26,168	4,627	8,588	14,203	.....	.....	363,821
Laid by Water Commissioners from July 1, 1855 to December, 1857	.....	1,909	14,720	28,362	.....	5,005	613	448	.....	.....	.....	9,716	.....	.....	.....	60,773
By Water Board, 1858	.....	2,948	24,438	23,742	.....	8,692	144	.....	.....	.....	.....	.....	.....	.....	.....	59,964
" " 1859	.....	638	22,972	40,367	.....	14,503	.....	6,300	108	.....	.....	.....	.....	.....	.....	84,888
" " 1860	.....	.....	20,488	35,106	.....	22,134	.....	7,910	.....	.....	.....	14,889	1,428	.....	.....	101,955
" " 1861	.....	276	8,317	15,432	.....	8,722	.....	5,017	.....	.....	.....	1,080	8,292	.....	.....	47,136
" " 1862	.....	1,140	11,065	6,562	.....	560	.....	.....	.....	490	.....	6,599	51	.....	.....	26,467
" " 1863	.....	2,729	12,223	5,696	.....	3,744	.....	4,560	.....	720	1,170	1,314	.....	.....	.....	32,156
" " 1864	1,784	314	20,899	8,362	.....	6,981	.....	13,476	405	1,962	783	1,395	.....	.....	.....	56,361
" " 1865	7,929	796	16,930	11,729	.....	3,204	.....	.....	.....	.....	.....	.....	.....	.....	.....	40,588
" " 1866	2,903	4,413	15,813	10,864	.....	13,048	.....	.....	.....	.....	.....	.....	.....	.....	.....	47,041
" " 1867	1,145	14,252	17,349	8,808	.....	6,491½	.....	9,372	.....	.....	.....	.....	.....	.....	.....	57,417½
" " 1868	1,642	4,475½	20,466½	14,759½	.....	2,012½	.....	.....	.....	.....	.....	.....	.....	.....	.....	43,356
" " 1869	192	4,765	16,595	9,457½	.....	4,037½	.....	.....	.....	.....	.....	.....	.....	.....	.....	35,047
" " 1870	.....	8,502	11,372	10,886	.....	600	.....	.....	.....	.....	.....	.....	.....	.....	.....	31,360
From Jan. 1 to Oct. 31, 1871	.....	6,895	11,863	13,205	.....	8,452	.....	.....	.....	.....	.....	.....	.....	.....	.....	40,415
From Oct. 31, 1871, to Oct. 31, 1872	78	6,871½	13,660½	12,479	.....	3,425	.....	.....	.....	.....	.....	.....	.....	.....	.....	36,514
From Oct. 31, 1872, to Oct. 31, 1873	.....	4,551	10,677½	8,032½	.....	5,405	.....	2,150	.....	3,400	.....	.....	.....	.....	.....	34,216
From Oct. 31, 1873 to Oct. 31, 1874	36	4,402	8,169	10,525	.....	10,959	5,795	8,537⅛	.....	.....	.....	.....	.....	.....	.....	48,423⅛
From Oct. 31, 1874, to Oct. 31, 1875	.....	3,542	7,544½	8,837½	.....	11,750	.....	4,362½	.....	.....	.....	11,160	8,959½	.....	.....	56,156
From Oct. 31, 1875, to Oct. 31, 1876	.....	1,982½	7,053½	15,383	.....	1,050	.....	3,212½	.....	5,175	.....	202½	7,215½	.....	.....	41,274½
From Oct. 31, 1876, to Oct. 31, 1877	.....	1,289	17,246½	15,571½	.....	7,462½	.....	75	137½	.....	.....	.....	.....	.....	.....	41,782
By Water Board, 1878	175	1,603	7,567	11,579½	.....	3,000	.....	4,800	.....	837½	.....	425	3,312½	.....	.....	33,299½
" " 1879	.....	1,603	4,490	10,876	.....	3,160	.....	2,038½	.....	.....	.....	2,975	.....	.....	.....	25,142½
" " 1880	.....	1,882	5,057½	7,777½	.....	5,459¼	.....	1,398	.....	.....	.....	.....	1,050	.....	36,640	59,264½
" " 1881	.....	933	9,034¾	12,290½	.....	6,421¾	1,717	3,169½	.....	.....	.....	.....	.....	.....	.....	33,566¼
" " 1882	.....	1,058	8,423⅜	14,788	.....	4,522⅜	.....	4,964½	.....	.....	.....	.....	.....	.....	.....	33,756$\frac{10}{12}$
" " 1883	.....	1,269⅜	12,259	18,270$\frac{10}{12}$	.....	13,295⅜	4,624⅜	5,026	.....	.....	.....	15,817$\frac{11}{12}$	2,960$\frac{5}{12}$	.....	.....	73,524$\frac{2}{13}$
" " 1884	.....	947	15,990½	25,302	.....	11,100	530⅛	6,665⅛	.....	.....	.....	.....	.....	.....	.....	60,535
" " 1885	27	651½	16,464⅛	27,884$\frac{10}{12}$	.....	9,520⅜	2,197⅛	4,655⅜	.....	.....	.....	.....	.....	.....	.....	59,401$\frac{3}{13}$
" " 1886	140	351	20,815⅝	27,582⅝	210	6,624	187⅜	4,196⅜	.....	.....	.....	.....	.....	.....	.....	60,108
" " 1887	189	1,083½	16,998⅝	29,426⅛	.....	11,093⅛	4,703	19,751$\frac{5}{6}$	6,114	.....	.....	13,074$\frac{1}{12}$	.....	.....	.....	102,433$\frac{11}{12}$
" " 1888	19	1,401	21,098	24,303⅛	.....	11,153$\frac{5}{6}$	2,212	22,089	14,695	.....	.....	18,194⅜	.....	.....	.....	115,165$\frac{10}{12}$
" " 1889	115	454	11,155⅙	30,360⅝	.....	8,898⅛	.....	8,726⅛	7,292⅛	12	.....	10,342	6,564	17,554	.....	101,474
	16,374	103,130⅙	554,627¼	584,485¼	72,672	303,191½	32,764	167,231$\frac{5}{12}$	40,960$\frac{10}{12}$	38,764½	6,580	115,772⅛	54,035$\frac{11}{12}$	17,554	36,640	2,144,783

STATEMENTS.

STATEMENT A.

Water Registrar's Cash Account for the Year 1889.

		Dr.	Cr.
To balance on hand December 31st, 1888		$ 2,288 75	
To water rents, 1889	$372,372 22		
Less discount	30,698 29		
		341,673 93	
To Water rents, 1888		127,714 38	
" Water rents, 1887		10,233 04	
" Water rents, 1886		2,792 92	
" Interest on back water rents,		2,900 99	
" Plumbing bill		25,188 40	
" Meter rents		106,797 86	
" Distributing mains		1,015 17	
" Lake Roland		1,751 95	
" Loch Raven		206 30	
" Lake Montebello		49 50	
" Druid Lake		29 75	
" Hampden Reservoir		27 65	
" Jones' Falls conduit		41 20	
" Mt. Royal Reservoir		10 00	
" Water tax		51,587 57	
Am't carried forward		$674,309 36	

STATEMENT A.—Continued.

	Dr.	Cr.
Am't brought forward.....	$674,309 36	
To Water stock, 1926, transferred to Revenue, being part of the advance from revenue for construction of new works	$200,000 00	
By deposit with City Register, January.....		$92,174 58
" deposit with City Register, February.....		200,682 64
" deposit with City Register, March.....		51,603 55
" deposit with City Register, April.....		58,449 51
" deposit with City Register, May.....		41,194 40
" deposit with City Register, June.....		26,102 22
" deposit with City Register, July.....		50,389 14
" deposit with City Register, August.....		12,923 56
" deposit with City Register, September.....		11,323 34
Am'ts carried forward....	$ 874,309 36	$544,842 94

STATEMENT A.—Concluded.

	Dr.	Cr.
Am'ts brought forward...	$ 874,309 36	$544,842 94
By deposit with City Register, October		240,797 76
" deposit with City Register, November. ...		10,229 55
" deposit with City Register, December.....		24,382 90
" deposit with City Register, water tax.....		51,587 57
" balance on hand December 31st, 1889.....		2,468 64
	$874,309 36	$874,309 36

STATEMENT B.

Water Registrar's Disbursement Account for the Year 1889.

	Dr.	Cr.
To Water Board warrants drawn on the City Comptroller from January 1st to December 31st, 1889..	$919,211 24	
By Distributing mains....		$67,307 04
" Tools and fixtures		5,517 55
" Water meters.....		4,397 00
" Lake Roland.....		10,481 15
" Salaries, Registrar's Department..... ...		24,436 18
" Salaries, Engineers' Department.....		8,043 56
" Plumbing Department..		16,495 52
" Pump-house.....		18,392 60
" Repairs.....		14,892 84
" Temporary supply.....		111 50
" Current expenses.....		5,246 31
" Druid Lake.....		3,042 00
" Printing and Stationery.....		1,548 45
" High Service Reservoir.		553 86
" Hampden Reservoir....		1,008 32
Amounts carried forward....	$919,211 24	$181,473 88

STATEMENT B.—Concluded.

	Dr.	Cr.
Amounts brought forward..	$919,211 24	$181,473 88
By Mount Royal Reservoir		667 50
" Loch Raven		9,422 81
" Lake Montebello		2,263 21
" Water courses		1,134 96
" Jones' Falls conduit		120 00
" Pumps and fountains		1,666 90
" Fire-plugs		3,606 78
" Returned money		1,513 50
" Lake Clifton		43,710 47
" Lake Clifton distributing mains		104,144 29
" Temporary supply mains		6,892 13
" Temporary supply machinery		240 48
" Eastern pumping station		4,285 90
" Force main		40,804 02
" Guilford Reservoir		28,634 41
" Interest on water stock.		488,630 00
	$919,211 24	$919,211 24

STATEMENT C.

DR. *Trial Balance, General*

Folio.		
6	Real estate and water rights.... .$	769,388 17
9	Construction of new works.....	3,155,437 88
112	Gunpowder permanent supply.....	4,117,914 50
117	Lake Clifton.....	698,961 52
119	Guilford reservoir.....	65,760 08
121	Gunpowder real estate and water rights.....	229,827 21
133	Distributing main.....	2,046,107 45
139	Lake Clifton distributing mains...	402,767 87
189	Lake Roland.....	8,729 20
190	Eastern pumping station.....	28,064 65
194	Druid Lake.....	3,012 25
198	High service reservoir.....	553 86
199	Temporary supply machinery.....	240 48
202	Hampden reservoir.....	980 67
207	Force main (Guilford reservoir)...	40,804 02
208	Mount Royal reservoir.....	657 50
216	Temporary supply.....	111 50
217	Printing and stationery.....	1,548 45
229	Current expenses.....	5,246 31
234	Engineers' department.....	8,043 56
235	Repairs.....	14,892 84
239	Water Meters.....	25,771 70
244	Registrar's department.....	24,436 18
245	Returned money.....	1,513 50
293	Pumps and fountains	1,666 90
296	Tools and fixtures.....	11,807 55
302	Loch Raven.....	9,216 51
313	Lake Montebello.....	2,213 71
315	Pump house.....	18,392 60
317	Fire plugs.....	3,606 78
318	Temporary supply mains.....	8,494 47
322	Water courses.....	1,134 96
324	Water Registrar's cash.....	2,468 64
327	Jones' Falls conduit.....	78 80
349	Discount on 1889 water rents.....	30,698 29
692	Mayor and City Council.....	16,491 46
		$ 11,757,042 02

STATEMENT C.

Ledger, *December* 31*st*, 1889. CR.

Folio.		
2	City six per cent. water stock.....	$ 263,000 00
3	City five per cent. water stock.....	8,737,000 00
3	City four per cent. water stock....	1,100,000 00
4	Profit and loss.....	1,025,537 73
319	Plumbing department.....	8,692 88
398	Interest.....	2,900 99
488	Meter rents.....	106,797 86
592	1886 water rents.....	2,792 92
644	1887 " "	10,233 04
667	1888 " "	127,714 38
680	1889 " "	372,372 22
		$ 11,757,042 02

STATEMENT D.

DR. *Balance Sheet, General*

Folio		
6	Real estate and water rights	$ 769,388 17
9	Construction of new work	3,155,437 88
112	Gunpowder permanent supply	4,117,914 50
117	Lake Clifton	698,961 52
119	Guilford reservoir	65,760 08
121	Gunpowder real estate and water rights	229,827 21
133	Distributing mains	2,044,626 46
139	Lake Clifton distributing mains	402,767 87
190	Eastern pumping station	28,064 65
199	Temporary supply machinery	240 48
207	Force main	40,804 02
239	Water Meters	20,697 26
296	Tools and fixtures	6,835 00
318	Temporary supply mains	8,494 47
324	Water Registrar's cash	2,468 64
692	Mayor and City Council	26,138 73
		$11,618,426 94

STATEMENT D.

Ledger, *December* 31*st*, 1889. Cr.

Folio		
2	City six per cent. water stock.....	$263,000 00
3	City five per cent. water stock.....	8,737,000 00
3	City four per cent. water stock, 1922	500,000 00
3	City four per cent. water stock, 1926	600,000 00
4	Profit and loss.....	1,518,426 94
		$11,618,426 94

STATEMENT E.

Receipts of the Water Department for the Year 1889.

	January.	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Water rents, 1889	$48,555 93	$205,646 68	$41,386 13	$10,709 12	$8,738 96	$7,292 02	$6,244 45	$5,398 17	$7,064 11	$7,173 45	$5,596 62	$18,566 58	$372,372 22
" " 1888	20,386 89	12,971 73	11,611 62	21,309 73	27,327 92	14,477 74	12,336 66	3,422 99	1,289 75	996 75	511 16	1,071 44	127,714 38
" " 1887	636 75	692 34	871 01	838 62	1,884 56	1,403 17	2,065 59	655 75	249 75	210 33	170 50	354 67	10,233 04
" " 1886	169 50	352 33	152 00	290 00	303 75	463 34	442 00	316 00	138 00	91 00	48 00	27 00	2,792 92
Interest on back water rents	51 90	134 85	161 38	372 99	692 64	504 39	554 20	166 59	75 35	48 59	23 00	115 11	2,900 99
Plumbing bills	1,141 22	900 68	1,237 31	2,534 79	2,541 27	1,668 99	2,825 23	2,552 82	2,418 27	2,855 56	1,824 48	2,687 78	25 188 40
Meter rents	26,192 31	194 37	147 41	22,413 83	123 07	401 01	26,018 90	270 04	60 69	29,273 30	1,191 13	511 80	106,797 86
Distributing mains	23 40	66 20	.....	4 50	.....	5 15	.....	188 25	4 00	.....	34 58	689 09	1,015 17
Lake Roland	5 94	231 14	120 72	244 97	56 44	32 87	38 22	.....	.....	.....	809 25	212 40	1,751 95
Loch Raven	13 00	24 60	33 20	5 00	.....	54 50	.....	.....	34 00	17 00	17 00	8 00	206 30
Lake Montebello	.....	.....	3 50	.....	.....	.....	.....	6 00	.....	40 00	.....	.....	49 50
Druid Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	29 75	.....	.....	29 75
Hampden Reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	27 65	.....	.....	27 65
Jones' Falls Conduit	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 20	28 00	41 20
Mount Royal Reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5 00	5 00	10 00
	$97,176 84	$221,214 92	$55,724 28	$58,723 55	$41,668 61	$26,303 18	$50,525 25	$12,976 61	$11,333 92	$40,763 38	$10,243 92	$24,476 87	$651,131 33
Received water tax													51,587 57
Received of 1926 4 per cent. Water Stock													200,000 00
													$902,718 90

STATEMENT F.

Disbursements of the Water Department for the Year 1889.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
Lake Clifton	$ 6,536 47	$ 1,940 95	$ 2,478 29	$ 1,716 20	$ 3,570 04	$ 5,809 21	$ 3,715 44	$ 2,686 72	$11,106 71	$ 1,701 69	$ 1,769 41	$ 679 34	$ 43,710 47
" " distributing main	7,613 02	40 75	485 18	16,278 45	21,726 42	16,039 26	7,240 51	13,342 05	6,567 08	3,807 34	9,242 35	1,761 88	104,144 29
Temporary supply main	956 10	1,292 74	1,275 50	1,383 23	1,599 19	82 37	50 00	50 00	50 00	53 00	50 00	50 00	6,892 13
" " machinery		98 48	142 00										240 48
Eastern Pumping Station		649 26	107 33	422 16	8 14		103 41	180 60	911 70	102 49	194 87	1 605 94	4,285 96
Force main		92 62	1,320 58	1,573 78	1,917 72	8,044 32	5,185 32	1,663 14	4,888 08	6,289 03	6,807 67	3.021 76	40,804 02
Guilford Reservoir	3,171 62	2,396 99	1,326 84	2,694 35	1,479 71	2,251 36	3,570 64	1,488 38	1,654 61	2,588 83	3,312 26	2,698 82	28,634 41
Distributing mains	7,885 07	4,715 04	4,813 35	6,920 46	3,274 12	2,258 06	4,363 69	5,409 66	4,500 18	5,048 27	11,828 80	6,290 34	67,307 04
Tools and fixtures	110 50	723 54	43 78	81 53	48 03	38 58	15 77	2,686 80	25 98	25 30	734 24	983 50	5,517 55
Water meters	298 81	330 55	359 76	511 54	647 42	292 22	338 38	330 76	526 29	147 02	448 46	165 79	4,397 00
Lake Roland	142 30	120 48	120 92	137 60	311 79	312 22	346 79	472 64	2,070 95	2,498 52	3,236 53	719 41	10,481 15
Salaries—Registrar's Department	1,974 96	1,974 96	1,974 96	1,974 96	2,044 96	2,074 96	2,074 96	2,041 62	2,074 96	2,074 96	2,074 96	2,074 96	24,436 18
Salaries—Engineer's Department	694 43	694 43	694 43	694 43	694 43	694 43	694 43	694 43	688 15	599 99	599 99	599 99	8,043 56
Plumbing department	1,740 57	1,081 41	1,777 61	987 04	1,139 08	1,053 20	2,866 18	1,468 85	975 90	912 61	1,350 05	1,143 02	16,495 52
Pump House	831 20	1,045 89	829 36	680 25	702 12	814 89	857 23	6,687 18	3,144 96	747 92	1,400 35	651 25	18,392 60
Repairs	1,041 20	980 74	1,205 94	869 66	1,488 52	1,175 66	1,628 64	1,586 45	964 73	1,439 24	1,117 66	1,394 40	14,892 84
Temporary supply	50 00	59 00			2 50								111 50
Current expenses	360 22	442 37	414 60	288 58	471 59	284 33	241 86	448 36	367 05	1,114 60	496 75	316 00	5,246 31
Druid Lake	88 12	170 82	61 17	78 46	192 18	315 59	220 54	635 62	749 54	218 80	248 00	63 16	3,042 00
Printing and stationery	178 57	63 02	49 67	60 80	224 00	74 50	312 44	42 15	1 10	355 10	61 05	126 05	1,548 45
High-Service Reservoir	10 00	10 00	10 00	10 00	28 00	10 00	23 50	278 62	108 49	10 00	32 50	22 75	553 86
Hampden Reservoir	26 51	23 75	30 01	79 51	29 26	99 51	109 14	79 77	24 01	222 34	183 75	100 76	1,008 32
Mount Royal Reservoir	45 41	45 41	50 21	51 91	64 08	63 41	45 41	57 41	45 41	99 41	45 41	54 02	667 50
Loch Raven	120 59	154 36	176 16	289 89	570 29	753 43	1,137 75	619 64	678 45	573 63	4,138 01	210 61	9,422 81
Lake Montebello	196 49	152 53	118 48	88 82	145 19	453 52	178 43	166 47	229 72	204 25	252 57	76 74	2,263 21
Water courses	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	94 58	1,134 96
Jones' Falls conduit	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	120 00
Pumps and fountains	223 41	245 97	187 00	145 65	130 00	119 26	115 53	123 60	93 45	93 69	106 25	83 09	1,666 90
Fire-plugs	366 83	271 99	217 11	155 81	91 81	553 81	429 56	278 48	311 31	291 64	468 61	169 82	3,606 78
Returned money	50 78	105 20	71 18	509 78	105 41	184 84	128 11	147 25	53 38	57 20	39 31	61 06	1,513 50
	$34,817 76	$20,027 83	$20,446 00	$38,789 43	$42,810 58	$43,957 52	$36,098 24	$43,771 23	$42,916 77	$31,381 45	$50,344 39	$25,220 04	$430,581 24
Paid twelve months' interest on $9,900,000 00 water stock													488,630 00
													$919,211 24

STATEMENT G.

New Supplies for the Year 1889.

703	houses	@	$ 3 00	$2,109 00	
303	"	@	5 00	1,515 00	
547	"	@	6 00	3,282 00	
249	"	@	7 00	1,743 00	
21	"	@	7 50	157 50	
221	"	@	8 00	1,768 00	
119	"	@	9 00	1,071 00	
58	"	@	10 00	580 00	
29	"	@	11 00	319 00	
45	"	@	12 00	540 00	
31	"	@	13 00	403 00	
2	"	@	14 00	28 00	
2328					$13,515 50
7	warehouses	@	6 00	42 00	
5	"	@	8 00	40 00	
26	"	@	10 00	260 00	
2366					342 00
					$13,857 50

STATEMENT G.—Continued.

Amount brought forward				$13,857 50
12 baths	@	$ 2 00	$ 24 00	
230 hose	@	3 00	690 00	
104 horses	@	1 50	156 00	
64 carriages	@	1 50	96 00	
16 offices	@	4 00	64 00	
12 bars	@	5 00	60 00	
10 bars	@	3 00	30 00	
8 churches	@	5 00	40 00	
1 church	@	10 00	10 00	
1 gas engine	@	10 00	10 00	
1 butchery	@	10 00	10 00	
1 "	@	5 00	5 00	
1 pickling estab't.	@	20 00	20 00	
1 fountain	@	10 00	10 00	
1 barber	@	3 00	3 00	
1 candy factory	@	5 00	5 00	
1 bakery	@	7 50	7 50	
5 motors	@	25 00	125 00	
2 "	@	30 00	60 00	
1 special rent	@	20 00	20 00	
Amounts carried forward			$1,445 50	$13,857 50

STATEMENT G—Concluded.

Amounts brought forward....			$1,445 50	$13,857 50
1 special rent....	@	7 00..	7 00	
1 " "	@	9 00..	9 00	
1 " "	@	40 00..	40 00	
1 fish pond.....	@	5 00..	5 00	
1 bottling estab't.	@	5 00..	5 00	
1 " " .	@	10 00..	10 00	
1 school.....	@	12 00..	12 00	
1 "	@	40 00..	40 00	
1 heater.....	@	10 00..	10 00	
1 vat.....	@	5 00..	5 00	
4 vats.....	@	2 50..	10 00	
1 oyster estab't,..	@	10 00..	10 00	
1 " " . .	@	5 00 .	5 00	
		PER H.P.		
1 2 H. P. boiler...	@	3 00..	6 00	
2 4 " " . .	@	3 00..	24 00	
1 5 " " ...	@	3 00..	15 00	
2 6 " " ...	@	3 00..	36 00	
1 8 " " ...	@	3 00..	24 00	
4 13 " " ...	@	3 00..	156 00	
2 16 " " ...	@	3 00..	96 00	
1 30 " " ...	@	3 00..	90 00	
1 50 " " ...	@	3 00..	150 00	
1 60 " " ...	@	3 00..	180 00	
			———	$ 2,390 50
Annual revenue.....				$16,248 00

STATEMENT H.

Abatements Condensed for the year 1889.

	1886.		1887.		1888.		1889.	
Vacancies	21	$235 25	78	$770 36	356	$3,066 97	298	$2,140 90
Duplicates & torn down	76	743 50	85	889 50	186	2,843 16	220	2,956 24
Hose	1	3 00	1	3 00	33	97 50	183	543 00
Horses	5	7 50	16	24 00	39	58 50	138	206 38
Carriages	....	.....	....	.....	7	10 50	70	105 00
Rents reduced	2	8 00	1	3 00	16	148 50	210	618 25
Specials	2	100 00	2	78 00	21	296 33	66	931 08
Bars	....	.....	1	5 00	19	65 75	57	226 50
		$1,097 25		$1,772 86		$6,587 21		$7,727 35

Total amount of abatements for the year..... $17,184 67

STATEMENT K.

Balances Remaining on the Ledgers of the Water Department December 31, 1889.

1889 water rents	$134,245 32
1888 " "	12,551 54
1887 " "	5,468 08
Plumbing bills	5,823 54
Meter rents	981 83
	$159,070 31

STATEMENT L.

Revenue per 1890 *Ledgers, January* 1st, 1890.

20,362	houses	@ $3 00	$61,086 00		
9,881	"	@ 5 00	49,405 00		
12,609	"	@ 6 00	75,654 00		
8,236	"	@ 7 00	57,652 00		
6,170	"	@ 8 00	49,360 00		
3,355	"	@ 9 00	30,195 00		
2,806	"	@ 10 00	28,060 00		
1,263	"	@ 11 00	13,893 00		
3,915	"	@ 12 00	46,980 00		
2,693	"	@ 13 00	35,009 00		
				$447,294	00
71,290					
154	warehouses	@ 6 00	924 00		
460	"	@ 8 00	3,680 00		
1,113	"	@ 10 00	11,130 00		
				$15,734	00
73,017					
				$463,028	00
6,089	hose	@ 3 00	18,267 00		
2,323	horses	@ 1 50	3,484 50		
1,342	carriages	@ 1 50	2,013 00		
938	bars	@ 3 00	2,814 00		
1,019	bars	@ 5 00	5,095 00		
1,858	H. P. boilers	@ 3 00	5,574 00		
170	offices	@ 4 00	680 00		
190	churches	@ 5 00	950 00		
				$ 38,877	50
	Specials embracing rents, motors, &c., &c			24,015	00
				$525,920	50
	Meters and indicators			110,000	00
				$635,920	50

Chief Engineer's Report.

REPORT.

OFFICE OF THE CHIEF ENGINEER—CITY HALL,

BALTIMORE, January 2, 1890.

To the Honorable the President and
Members of the Water Board:

GENTLEMEN:

I beg leave respectfully to submit my report of the Engineer Department for the year ending December 31, 1889.

There were fitted up by the mechanical department 61 fire-plugs, 554 stop-cocks, of sizes from 2 to 36 inches.

There were laid in the following localities additional mains, as authorized by Ordinance No. 82, approved June 3, 1886, viz:

A thirty-six inch—For the eastern high service supply. From the corner of Oliver and Ann streets; thence along Oliver to Broadway, to North avenue, to York road, to Twenty-fifth street. These pipes were taken from the temporary supply main between Luther-

ville and the Gunpowder Falls, and there were laid, including connections, 17,554 feet, and the cost of taking out, hauling and re-laying these pipes was $47,964.52, or $2.73 per foot.

A thirty inch—From the high service reservoir in Druid Hill Park; thence through the Park to the Reisterstown pike, thence along the Reisterstown pike to Pennsylvania avenue and North avenue. Length, 6,565 feet; cost, $44,088.62, or $6.72 per foot.

A twenty-inch—On North avenue, between Pennsylvania avenue and Mount street. Length, 863 feet; cost, $2,904.03, or $3.37 per foot.

A twelve-inch—On North avenue, between Mount street and the Bloomingdale road. Length, 7,060 feet; cost, $11,246.17, or $1.59 per foot.

A twenty inch—Beginning at Madison and Calvert streets; thence on Calvert to Franklin, to Courtland, to Saratoga, to Paca street. Length, 5,354 feet; cost, $22,111.48, or $4.13 per foot.

A twenty-inch—Beginning at Madison and St. Paul streets; thence on St. Paul to Mulberry, to Paca street. Length, 4,043 feet; cost, $16,786.63, or $4.15 per foot.

Total length of these additional mains $7\frac{44}{52}\frac{72}{80}$ miles, and cost of same, $145,101.45.

There were laid 18,408 feet 6 inches of 1½ inch pipe for plumbing supplies, and 105,009 feet of pipe mains for distribution, additional supply and repairs, as follows:

439	feet			of 1½	inch.
857	"	8	inches	2	"
12,164	"	10	"	3	"
31,356	"	4	"	4	"
9,414	"	2	"	6	"
97	"	4	"	8	"
8,915	"	4	"	10	"
7,292	"	4	"	12	"
12	"			16	"
10,342	"			20	"
6,565	"			30	"
17,554	"			36	"

105,010, or $19\frac{4690}{5280}$ miles.

The new building supplies in 1889 were 2,366, from which an annual revenue of $16,248 will be derived.

There were 372 leaks on main pipes, of sizes from 1½ to 30 inches, and 108 stop-cocks, of sizes from 3 to 20 inches, inspected and repaired.

There were 56 new fire-plugs erected, of which 46 were located upon new and 10 upon old sites, viz.:

ON NEW SITES.

S. E. corner Charles and Tenth.
Millington lane, between Wilkens' avenue and Ramsay.
N. W. corner Canton avenue and Hudson.
S. E. corner Eastern avenue and Hudson.
N. E. corner Ostend and Hanover.
N. E. corner Union avenue and N. C. R. W.
N. E. corner Woodberry and Parkdale avenues.
S. E. corner Broadway and Oliver.
S. W. corner North avenue and Dallas street.
N. W. corner Hoffman and Durham.
North avenue, between First and Second.
Pennsylvania avenue extended, north of Fulton avenue.
N. W. corner Payson and North avenue.
N. E. corner York road and Brady avenue.
N. E. corner Pennsylvania and Fulton avenues.
N. W. corner York road and Friendship avenue.
West gate Druid Hill Park and Reisterstown pike.
York road, at toll-gate.
North avenue and Bloomingdale road.
Lombard, between Eutaw and Howard.
York road, north of Carroll avenue.
S. E. corner Mulberry and Paca.
S. E. corner Franklin and Calvert.
S. W. corner Franklin and Courtland.
S. E. corner Courtland and Saratoga.
N. E. corner Saratoga and Cathedral.
S. W. corner Mulberry and Cathedral.
S. E. corner Light and Guilford alley.
N. W. corner St. Paul and Hamilton.

S. E. corner Mulberry and St. Paul.
N. E. corner Saratoga and Paca.
S. E. corner Madison and Calvert.
N. W. corner Madison and St. Paul.
S. W. corner York road and Twenty-fifth.
S. E. corner Howard and Saratoga.
S. W. corner Tenth and Augusta avenue.

Supplied with Water from the Catonsville Water Works.

Irvinton avenue and Frederick road.
Loudon avenue and Frederick road.
Loudon Park gate and Frederick road.
North side Frederick road, 250 feet west of Mt. Olivet Cemetery.
North side Frederick road, opposite National Cemetery.
North side Frederick road, 300 feet west of B. and P. R. R. bridge.
South side Frederick road, opposite east end of Mt. Olivet Cemetery.
South side Frederick road, 75 feet west of Mt. Olivet Cemetery entrance.
West side Maiden Choice lane, three-eighths of a mile south of the Frederick road.
North side Frederick road, opposite Stiefel's brewery.

ON OLD SITES.

N. W. corner Saratoga and Tyson alley.
N. W. corner Broadway and Pratt.
S. E. corner Pratt and South.
N. W. corner Pratt and Greene.
Battle Monument, two plugs.

N. E. corner Paca and Pratt.
N. W. corner William and Montgomery.
N. W. corner Mulberry and Paca.
S. E. corner Madison and St. Paul.

The total number of fire-plugs in the City is 1,215.

There were 6 pumps repaired and 24 removed and the wells filled up.

There was one fountain erected on the southeast corner McElderry and Aisquith streets.

There are in the City 114 public fountains for the use of man and beast, and 23 for mankind only.

The registered consumption of water by meters and indicators was as follows:

	Gallons.
Elevators by meters	70,634,656
Elevators by indicators	563,607,260
Railroads by meters	263,528,912
Miscellaneous by meters	443,789,896
Steamboat companies by meters	39,805,248
Pork packers and butchers by meters	63,490,240
Livery stables	21,418,213
Beer breweries	340,142,276
Whiskey distilleries	30,665,756
Brick yards	7,068,600
Coal oil refineries	9,436,900
Drove yards	10,537,076
Oyster and fruit packers	62,221,560
Hotels by meters	51,279,140
Planing mills by meters	43,909,906
Total	2,021,534,829

Being an increase of 255,912,825 gallons over the year 1888.

The number and sizes of meters and the number of indicators placed in operation, are as follows:

Meters..	29	¾-inch.
	8	1 "
	3	1½ "
	7	2 "
	20	3 "
	67	
Indicators..	47	
Total....	114	

The number and sizes of meters and number of indicators in use, are:

Meters..	312	¾-inch.
	195	1 "
	96	1½ "
	97	2 "
	164	3 "
	5	4 "
	869	
Indicators..	366	
Total....	1,235	

There were 16 meters withdrawn and indicators substituted.

The high service pumps were worked 9,007½ hours, there were 1,205,043,818 gallons of water pumped into the reservoir, an increase of 175,158,866 gallons over the year 1888, and 1810$\frac{1960}{2240}$ tons of coal and 10 cords of wood were consumed.

The amount expended in pumping water was $18,291.22, or at the rate of 1$\frac{517}{1000}$ cents per 1,000 gallons.

The fountain in the upper part of Druid Lake was in operation 465 hours.

The flow of water of the Jones' Falls supply owing to the heavy rain fall was greatly in excess of 1888.

The water in Lake Roland was muddy 62 days, and the greatest flow over the dam in May was 54¾ inches in height.

From August 15th to November 28th, the water in the lake was kept 6 feet below the crest of the dam, to facilitate the removal of the mud deposit in Towson branch and Roland Run.

The conduit, pipe lines, lakes and reservoirs of this supply, together with the City property thereunto attached, have needed no unusual repairs and are in good condition.

The water in Loch Raven was muddy 109 days, and the greatest flow over the dam since its completion was 8 feet on the 1st of June.

On the 13th of July the stone arch culvert over Mine Bank run on the road to Loch Raven was washed away.

It has since been replaced by an open bridgeway of a greater span and elevation.

There were in all 1,453 36-inch pipe taken out on the line of the temporary supply main from the Gunpowder Falls to Lutherville, and the ground restored to its original condition.

The greatest daily amount of water supplied by Lake Montebello from the Gunpowder supply in July was 23,000,000 gallons, exclusive of the daily waste through the bottom gates for purification.

Lake Clifton has been in successful operation during the year, and in the meantime it has been emptied of water twice for the purpose of solidifying the embankments.

The drive around this lake and the ornamental embellishments are about completed.

The main tunnel from Loch Raven to Lake Montebello, and the tunnel between Lakes Montebello and Clifton, and also the 40-inch pipe mains from the latter lake to the City, are in satisfactory working order.

The tributaries of the Gunpowder and Jones' Falls supplies have been daily inspected, as in previous years.

The construction of the Guilford reservoir was well advanced, considerable excavation has been done, the vault chamber has been built, the puddle trenches in the embankment surrounding the reservoir have been sunk to the requisite depths, and the mains piercing the reservoir embankment have been laid.

The mechanical department was removed in November (temporarily) to the old City Hall building on Holliday street.

The building formerly occupied by this department, on North street, on United States Government reservation, has been torn down, and the material is now being used in the construction of a new building at the corner of Oliver and Durham streets, on City property.

The building of the eastern high service pumping station, at the corner of Oliver and Ann streets, has been commenced, and the foundations have already been laid.

It affords me pleasure to refer to the efficiency of the officers and employees of the department in the performance of their various duties.

Respectfully submitted,

ROBERT K. MARTIN,

Chief Engineer.

From	Amount Turned Over to Water Registrar.							Amount of Bills Delivered to Water Registrar for work done, etc.					Total.
	Hay.	Old Material.	Fodder.	Ice.	Cow pasture.	Sand.	Rent.	Old scrap iron and brass.	Old Material.	Lead dross.	For service pipes laid in city.	For mains laid in county.	
Lake Roland	$ 759 83	$ 66 87	$20 35			$7 10							$ 854 15
Jones' Falls conduit	31 20				10 00								41 20
Loch Raven	24 50			31 80			150 00						206 30
Mount Royal Reservoir	10 00												10 00
Lake Montebello	46 00		3 50										49 50
Druid Lake	29 75												29 75
Hampden Reservoir	27 65												27 65
Distributing Main							6 00	$710 08		$214 34			930 42
Plumbing											$25,207 69	$1,480 99	26,688 68
Tools and Fixtures									$84 75				84 75
Totals	$928 93	$66 87	$23 85	$31 80	$10 00	$7 10	$156 00	$710 08	$84 75	$214 34	$25,207 69	$1,480 99	$28,922 40

SUMMARY OF WORK DONE IN THE DEPARTMENT SHOP FOR 1889.

4 36-inch stops.
3 30 "
16 20 "
2 16 "
32 12 "
55 10 "
91 6 "
205 4 "
113 3 "
23 2 "
24 5-inch plugs.
37 4 "
648 1½-inch caps.
348 ½-inch bushings.
36 ferrule clamps.
12 brass thimbles.
12 20x3 clamps.
12 8x4 "
12 6x3 "
12 3-inch meter strainers.
24 ¾ meter spuds.
4 foundations for fountains.
71 large plug caps.
130 small "
60 ¾ brass screws for ferrule clamps.
3 gun metal wheels for lathe.
4 swivels for drill press.
48 brass bolts and nuts for clamps.

24 brass spuds and nuts.
repair work for pump house.
" " on drill crabs.
1 20-inch collar. } Guilford reservoir.
3 30 " " }
1 30 " " high service reservoir.
3 lever derricks.
Model for gate house, Lake Clifton.
3 disks for Guilford reservoir fountain.
3 30-inch check valves, east pumping station, not finished.
9 30-inch column stops, partly finished.
1 20 " " " " "

INVENTORY, 1889.

Distributing main and pipe fittings	$16,827 64
Lake Clifton distributing main	6,876 44
Tools and fixtures	6,835 00
Force main	2,812 75
Plumbing department	1,464 06
Plugs	1,460 37
Meters	1,111 15
	$37,387 41

TABULAR STATEMENT—Continued.

	1¼ inch.	2 inch.	3 inch.	4 inch.	4½ inch.	6 inch.	8 inch.	10 inch.	12 inch.	16 inch.	18 inch.	20 inch.	28 inch.	30 inch.	36 inch.	Stops.
Stop-cocks by Water Company	....	12	61	94	....	55	9	8	8	9	4	8	....	2	....	270
" " Commissioners	....	9	8	8	...	2	....	....	....	....	....	2	....	....	....	29
By Water Board, 1858	....	17	23	14	....	3	1	....	1	16	....	1	....	....	....	76
" " 1859	....	15	30	54	....	16	....	7	....	....	....	....	....	....	....	122
" " 1860	....	....	18	55	....	36	....	9	....	....	....	4	....	1	...	123
" " 1861	....	7	7	24	....	8	....	3	....	....	....	....	....	5	....	54
" " 1862	....	21	19	31	....	19	....	1	....	1	....	4	....	....	....	96
" " 1863	...	8	20	28	....	2	....	2	....	....	....	1	....	....	....	61
" " 1864	...	12	18	15	....	4	....	5	....	....	....	1	....	....	....	55
" " 1865	....	24	13	6	....	2	....	...	....	....	....	....	....	....	...	45
" " 1866	....	22	24	20	....	4	....	....	....	....	....	....	....	....	....	70
" " 1867	....	46	22	5	....	5	....	3	....	....	....	....	....	....	....	81
" " 1868	...	7	24	19	....	3	....	....	....	....	....	....	....	....	....	53
" " 1869	....	....	7	18	....	3	....	....	....	....	....	...	...	....	....	28
" " 1870	....	....	4	7	....	....	....	....	....	....	....	....	....	....	....	11
January 1 to October 31, 1871	....	5	11	25	....	5	....	....	....	....	....	....	....	....	....	46
October 31, 1871, to October 31, 1872	...	10	20	23	....	3	....	....	....	....	....	....	....	....	....	56
" 1872, " 1873	..	7	14	25	....	12	....	2	....	2	....	....	...	....	....	62
" 1873, " 1874	....	4	14	52	....	9	6	6	....	....	....	....	....	....	....	91
" 1874, " 1875	....	3	5	31	....	10	....	6	....	1	....	6	....	2	....	64
" 1875, " 1876	....	1	25	66	....	52	2	....	....	1	....	1	...	2	....	150
" 1876, " 1877	....	5	69	50	....	13	....	2	....	....	....	....	....	....	....	139

By Water Board,	1878		7	29	22		2		6		4		2		1		73
" "	1879		4	15	37		6		2								64
" "	1880		3	9	46		42		12				3	8	2		125
" "	1881		4	26	41		6	2	2								81
" "	1882		5	27	36		19		5								92
" "	1883		4	50	91		67	5	10		3		4		1		235
" "	1884		9	59	119		31	1	5								224
" "	1885		6	38	85		23	6	6								164
" "	1886		6	68	103		21	2	12								212
" "	1887		42	94	201		97	8	27	6			5				480
" "	1888		41	123	354		132	3	34	12			6				705
" "	1889		26	103	195		58	4	31	33	2		15		2	2	471
			392	1097	2,000		770	49	206	60	39	4	63	8	18	2	4,708

TABULAR STATEMENT—Concluded.

	1½ inch.	2 inch.	3 inch.	4 inch.	4½ inch.	6 inch.	8 inch	10 inch.	12 inch.	16 inch.	18 inch.	20 inch.	30 inch.	36 inch.	40 inch.	Branches.
By Water Board, 1858	....	3	78	98	....	33	2	....	....	1	....	....	....	....	....	215
" " 1859	....	....	53	134	....	75	....	32	2	....	....	....	....	....	....	296
" " 1860	....	....	68	108	....	149	....	29	....	....	....	52	2	....	....	408
" " 1861	....	....	26	50	....	33	....	19	....	....	....	6	34	....	....	168
" " 1862	....	5	25	30	....	4	....	1	....	....	....	16	....	....	....	81
" " 1863	....	3	29	19	....	9	....	7	....	2	1	5	....	....	....	75
" " 1864	3	3	40	21	....	9	1	47	....	5	4	4	....	....	....	137
" " 1865	20	....	47	20	....	15	....	....	....	....	....	....	....	....	....	102
" " 1866	3	....	30	24	....	16	....	....	....	....	....	....	....	....	....	73
" " 1867	1	29	46	26	....	7	....	21	....	....	....	....	....	....	....	130
" " 1868	1	6	38	43	....	12	....	....	....	....	....	....	....	....	....	100
" " 1869	....	5	54	32	....	6	....	2	....	....	....	....	....	....	....	99
" " 1870	....	9	27	39	....	1	....	....	....	....	....	....	....	....	....	76
January 1 to October 31, 1871	....	6	22	29	....	32	....	....	....	....	....	....	....	....	....	89
October 31, 1871, to October 31, 1872	....	3	35	39	....	10	....	....	....	....	....	....	....	....	....	87
" 1872, " 1873	....	3	26	23	....	14	....	7	....	5	....	....	....	....	....	78
" 1873, " 1874	....	4	17	53	....	16	22	30	....	1	....	....	....	....	....	143
" 1874, " 1875	....	5	14	26	....	5	....	13	....	1	....	29	8	....	....	101
" 1875, " 1876	....	4	21	90	....	12	....	14	....	21	....	....	9	....	....	171
" 1876, " 1877	....	2	45	45	....	23	1	3	....	....	....	....	....	....	....	119

By Water Board,	1878	....	4	20	36	....	8	....	....	....	9	....	3	4	....	....	84
" "	1879	....	2	14	41	....	6	....	5	....	....	....	....	....	....	....	68
" "	1880	....	....	9	35	....	17	....	11	....	....	....	5	....	....	44	121
" "	1881	....	3	20	54	...	11	5	7	....	....	....	....	....	....	....	100
" "	1882	....	1	24	74	....	45	....	21	....	....	....	2	....	....	....	167
" "	1883	....	3	30	104	....	86	13	15	....	2	....	54	10	....	....	317
" "	1884	....	3	40	123	....	53	1	14	....	....	....	....	....	....	....	234
" "	1885	....	3	44	98	....	58	7	17	....	....	....	....	1	....	....	228
" "	1886	....	1	52	133	3	54	3	46	....	....	....	....	....	....	....	292
" "	1887	2	5	64	177	3	76	7	74	20	....	....	57	1	....	....	486
" "	1888	2	3	124	253	4	167	14	73	58	....	....	75	2	....	....	775
" "	1889	1	1	54	177	4	46	3	16	11	1	....	53	5	14	....	386
		33	119	1,236	2,254	14	1,108	79	524	91	48	5	361	76	14	44	6,006

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear Parrish alley	Franklin and Mulberry	3	209⅔	$ 91 84
Kirby's lane	Edmondson ave and Franklin	3	75	
		4	200	125 67
Rear light	Ostend and Gittings	3	110	
Ostend	Light and Marshall	4	155	155 35
Rear Patterson Park Ave.	Jefferson and McElderry	2	84	34 50
Tenth	St. Paul and Charles	4	30	76 96
Rear Third	Eastern avenue and Bank	3	190	84 42
Haubert	Beason and Marriott	4	70	39 83
Rear Lanvale	Lovegrove alley and St. Paul	4	100	
Lanvale	" " " "	4	120	
Rear St. Paul	Lanvale and Federal	4	225	177 74
" North avenue	Park avenue and John	3	75	31 59
" Division	Presstman and Bloome	4	222	117 81
" Franklin	Mount and Vincent alley	4	164⅓	82 57
" Charles	Preston and Biddle	3	60	
Biddle	Charles and Morton alley	4	45	78 60

Rear Pennsylvania ave...	Presstman and Roberts	4	283⅔	
Presstman.....	Bouldin al & Pennsylvania ave.	4	84⅔	93 10
Jenkins' lane.....	North of Boundary avenue.....	4	100	58 96
Wolfe	Gay and Oliver.....	6	259	195 38
Gay	Oliver and Washington.....	6	74	112 10
Rear Hare.....	Boston and Elliott.....	3	157⅓	70 43
Lanvale.....	Wolfe and Broadway.....	4	148	62 41
Maryland avenue.....	Biddle and Chase.....	3	49⅓	39 99
Lancaster.....	West of Caroline.....	4	220	121 26
Rear North avenue	Calvert and St. Paul.....	3	234⅓	92 45
" " "	" " "	4	68⅔	44 99
" Calvert.....	Preston and Biddle.....	3	238⅓	127 58
Potomac	Monument and McElderry.....	4	234⅓	105 31
Oliver	Broadway and Bond.....	4	296	111 66
Port alley.....	Monument and McElderry.....	3	98⅔	46 59
Claret alley	Cross and West.....	3	24⅔	
Rear Cross.....	Monument and Russell.....	3	61⅔	39 72
Federal	Broadway and Wolfe.....	4	197⅓	
Broadway.....	Federal and Lanvale.....	6	275⅔	288 86
Rear Chester.....	Preston and Hoffman	4	185	86 84
" Carey	Townsend and Lanvale.....	3	168	75 97
" North avenue.....	Barclay and York road.....	4	350	180 39
" Patterson Park ave	Fayette and Hampstead.....	4	72	40 31

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Baltimore	Fremont and Greene	6	1,346	
Baltimore	Arch and Pearl	3	98⅔	
		4	12⅓	
Arch	Baltimore and Raborg	2	85	$1,250 63
Rear Carroll	Stockholm and Cross	4	222	124 17
Duncan alley	Blood alley and Orleans	4	382⅓	186 54
Rear Broadway	Federal and Lanvale	4	222	
" "	Townsend and Lanvale	4	209⅔	166 84
" Greenmount av	Biddle and Chase	4	209⅔	110 97
Millington lane	Frederick and Wilkens avenue	4	15	
		10	1,148	993 45
Rear Eastern avenue	Rose and Luzerne	3	148	74 97
" Franklin	West of Park avenue	1½	9	
		4	60	43 83
Rear Canton street	Dillon and O'Donnell	3	185	152 60
Canton street	" " "	4	115	
Linden avenue	Presstman and Roberts	4	86⅓	45 00

Rear S. S. Bloom	Division and Bouldin alley	4	197⅓	122 52
" " Division	Bloom and Presstman	3	86⅓	
Linden avenue	Presstman and Roberts	4	61⅔	48 09
Rear E. S. Fulton avenue	Franklin and Cairo	3	111	41 88
Sargent	Stockholm and Woster	4	15	
Woster	Sargent and Washington road	4	85	104 85
Rear Henry	Fort avenue and Wehage	4	86⅓	48 48
" Druid Hill avenue	Whitelock lane and North ave.	4	98⅔	
Whitelock lane	Druid Hill and Madison avenue.	6	25	479 01
Arch	Lexington and Penn alley	4	52	30 07
Rear W. S. Clifton	Mary and Bruce	4	185	133 02
Gay	Madison and Eden	6	111	112 96
Rear Madison	Chapel and Wolfe	4	96	55 57
Federal	Calvert and Latrobe	4	209⅔	109 67
Lehman	E. of Millington lane	6	254⅔	
Marriott	" " "	4	155	
Rear Marriott	" " "	4	370	
" S. S. Ramsay	" " "	4	235	
Christian	" " "	4	250	501 43
Fulton avenue	W. of Penn alley	3	151	48 27
Rear N. S. Third	Calvert and Hunter alley	4	48	
" S. S. Fourth	" " " "	4	48	77 52
" S. S. Baker	Bruce alley and Mount	4	235	
" W. S. Mount	Baker and Presstman	3	135	145 31
" E. S. Penna. avenue	Bloom and Presstman	4	245	125 58

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches	Length in Feet.	Cost.
Rear E. S. Broadway	Federal and Oliver	4	185	98 60
High	Fawn and Stiles	3	130	68 94
Washington	N. of Boundary	6	690⅔	426 77
Canton	N. of Hudson	4	40	27 77
Rear W. S. Union	N. of North avenue	3	98⅔	33 23
South	Below Lombard	6	111	92 57
Lanvale	Broadway and Bond	4	271⅓	122 30
Rear W. S. Bond	Oliver and Federal	3	148	46 83
" E. S. Eden	Preston and Hoffman	3	49	26 37
Port alley	Lancaster and Aliceanna	3	74	
Lancaster	Port alley and Cannon	3	74	77 40
Harrison	Hudson and Lancaster	4	172⅔	
Rear N. S. Hudson	Patuxent and Harrison	3	98⅔	131 32
" W. S. Boyle	Fort avenue and Randall	4	357⅔	172 44
		1½	10	
Hall alley	" " " "	3	86⅓	43 42
		1½	8	

Alley N. of Fifth	Maryland ave and Hudson alley.	2	38	24 30
Beason	Decatur and Haubert	4	234⅓	128 46
Whitelock lane	Madison and Druid Hill avenue.	6	148	104 95
Rear W. S. Broadway	Hoffman and Oliver	4	222	101 48
Alley rear	N. E. cor. Washington and Oliver	3	28	23 24
Rear W. S. Francis	Clifton and Fulton avenue	4	141	72 99
Rear W. S. Division	Bloom and Presstman	3	98⅔	39 43
Stockholm	Sassafras and Nanticoke	4	111	
Sassafras	Stockholm and Cross	4	95	112 44
York	West of Sharp	1½	35	17 26
From Union avenue	and N. C. R. R. along Union ave			
	to Railroad ave to Woodberry	10	5,611⅔	
	ave to Parkdale ave, and thence	4	50	
	along Philosophers' Walk in	3	11	6,720 38
	the Park to High Service Reservoir			
St. Peter	Parkin and Cross	3	160⅔	
Sheppard alley	St. Peter and Columbia avenue.	3	45	
		4	48	143 70
Seventh	St. Paul and Charles	4	431⅔	
Charles	Sixth and Seventh	4	259	
Brown	and Decker	4	3	
Sixth	and Charles	4	3	332 92
Patterson	Calhoun and Carey	4	123⅓	82 43
Park avenue	and Reservoir avenue	4	22	32 04

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Mt. Royal avenue	Charles and St. Paul	4	222	121 95
Dryden alley	Gold and Bloom	4	271⅓	112 91
Rear E. S. Chester	Lanvale and Townsend	4	98⅔	65 83
" N. S. Baltimore	Patterson Pk ave & Bradford al	4	111	
" W. S. Bradford al.	Baltimore and Hampstead	4	61⅓	84 19
" E. S. Broadway	Lanvale and Federal	4	456⅓	215 82
" N. S. Preston	Washington and Chester	4	111	58 36
" E. S. Bond	Townsend and North avenue	4	130	
" S. S. North avenue.	Bond and Broadway	4	120	134 33
North	Pleasant and Saratoga	4	185	101 92
		1½	7	
Rear W. S. Regester	Orleans and Jefferson	3	112½	50 97
Heath	Byrd and Johnson	4	271⅓	
Rear W. S. Johnson	Heath and Wells	4	111	203 74
" W. S. Charles	Wells and Barney	3	237½	81 97
" S. S. Dillon	Potomac and Curley	4	86⅓	56 40
" E. S. Penna. ave	Presstman and Bloom	4	50	29 92

Hunter alley	Third and Fourth	4	234⅓	120 57
Rear E. S. Smallwood	Mary Ann and Ramsay	4	320⅔	166 60
Bouldin	Hudson and Elliott	4	1,097⅔	511 48
Rear W. S. Hare	Boston and Elliott	3	100	
East avenue	Elliott and O'Donnell	3	37½	50 05
Vincent alley	Baker and Presbury	3	112	68 41
Rear W. S. Carey	Lanvale and Townsend	3	257½	96 01
W. S. Charles	South of Ostend	4	11½	8 66
Woodyear	Patterson ave and Presstman	4	98⅔	56 50
Rear W. S. Payson	Wilkens' avenue and Eagle	4	95	
" E. S. Pulaski	" " "	4	98	100 45
" W. S. Cannon	Lancaster and Hudson	4	225	
" S. S. Lancaster	Cannon and Burke	4	335	316 32
Loudon avenue	West of Millington lane	4	412½	229 37
Rear S. S. Beason	Haubert and Hull	3	87½	39 23
" E. S. Eden	Oliver and Federal	3	125½	
Spring	" "	4	75	
Rear N. S. Oliver	Eden and Spring	3	87	138 93
Tome	Clinton and First	3	250	94 83
Rear S. S. Lehman	West of Millington lane	4	487½	243 39
Goodman alley	Heath and Barney	3	87½	38 46
Rear N. S. Columbia ave.	Fremont and Barre	3	265	
" W. S. Fremont	Columbia avenue and Ramsay	3	75	141 09
" W. S. Second	North and Myrtle avenue	4	312½	140 40
" S. S. Preston	West of North	4	105	73 20

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear N. S. Biddle	West of North	4	108	69 25
" S. W. corner	Lanvale and Park avenue	3	21	8 39
Morris alley	Robert and Presstman	4	137½	81 72
Rear E. S. Dallas	Townsend and North avenue	4	362½	176 37
" W. S. Hare	Boston and Elliott	3	75	26 29
First	Eastern and Canton avenue	4	150	87 15
Bradford alley	Monument and McElderry	4	376	30 28
Rear N. S. Federal	Broadway and McDonogh	4	100	44 82
Oliver	Carter and Falls alley	3	218	92 96
Maryland avenue	Sixth and Seventh			
" "	Seventh and Eighth			
Seventh	Maryland ave and Hudson alley	4	950	450 81
Collington avenue	Biddle and Preston	4	150	
Biddle	Collington and Cannon	6	1,233⅓	940 94
Rear W. S. Fulton	Edmondson ave and Franklin	3	100	
" N. S. Franklin	Kirby's lane and Fulton ave	3	90	84 45
E. S. Chester	Townsend and Lanvale	4	212½	100 96

Lanvale	Aiken and Harford avenue	4	162½	108 01
Rear N. S. Lanvale	Florence and Bloomingdale rd	4	512½	
Florence	Townsend and Rayner avenue	4	512½	485 50
Little William	Barney and Heath	4	200	90 98
Rear E. S. Andre	Clement and Beason	3	275	107 17
Binney	Dillon and O'Donnell	3	137½	63 11
Hunter alley	First and Second	4	250	
Rear N. S. First	North and Hunter alley	4	265	249 76
King	East of Eutaw	3	95	83 53
St. Paul	First and Second	1½	46	12 99
Brice alley	Lemon alley and Pratt	3	87½	41 63
Payson	" " "	6	86⅓	
"	" " Lombard	4	95	
Lombard	Monroe and Payson	3	90	172 93
Eastern avenue	Luzerne and Patuxent	6	888	627 73
Patterson Park avenue	Lanvale and Townsend	4	325	
Rear E. S. Belair avenue	Choptank and Patterson pk ave.	3	187½	229 55
Lovegrove alley	Mt. Royal avenue and Preston	4	250	121 41
Rear Madison avenue	Whitelock lane and North ave.	4	750	389 37
St. Paul	Seventh and Eighth	6	148	
"	Sixth and Seventh	6	357⅔	
		4	25	355 53
Rear W. S. Broadway	Preston and Gay	4	100	65 96
" " Chester	Chew and Madison	3	62½	
Chew	Castle and Chester	4	87½	83 45

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
St. Paul	Biddle and Chase	6	12⅓	13 97
Rear N. S. Monument	Durham and Ann	3	75	35 10
" E. S. Bond	Oliver and Federal	4	165	95 06
" E. S. Towson	Clement and Fort avenue	3	275	100 11
Rear E. S. Covington	Wehage and Clement	3	187½	
Wehage	Jackson and Covington	4	162½	
Covington	Clement and Wehage	4	100	235 69
Hampden avenue	Fourth and Sixth	4	200	102 41
Rear E. S. Linden avenue	Wilson and Laurens	4	110	
" S. S. Laurens	Mason alley and Linden ave	4	62½	119 16
New Yard	Gay and Wolfe	6	108	71 43
Rear E. S. Greenmount av	Eager and Chase	3	37½	23 06
S. S. Hollins	Calendar alley and Poppleton	2	79	28 47
Ann	North avenue and Townsend	6	49⅓	36 99
Crooked lane	North of Fayette	4	127	94 62
Rear W. S. Collington av.	Townsend and Lanvale	4	250	153 70
N. S. Monument	Durham and Ann	3	112½	45 34

Park	Harford road and Aisquith	3	237½	96 22
Rear E. S. Wooster	Sargent and James	4	175	88 08
Young	West of Millington lane	4	625	
Ten foot alley west of	Millington lane rear Lehman	4	62½	
Millington lane	Loudon and Lehman	4	2	361 54
Rear S. S. Hoffman	Argyle and Pennsylvania ave.	3	275	123 10
Monument	Jew alley and Britton	3	50	21 57
Rear W. S. Patr'son Pk av	Orleans and Fayette	4	137½	83 35
" " Collington ave.	McElderry and Jefferson	3	212½	94 46
Sewell	Little Walch and Penna. ave.	4	75	43 55
Bouldin alley	Lanvale and Townsend	4	60	
Rear W. S. Lanvale	Penna. avenue and Bouldin al.	4	80	73 69
" E. S. Johnson	Clement and West	4	87½	46 71
Bond	Federal and Townsend	6	715⅓	508 56
Rear Linden avenue	Wilson and Laurens	3	175	71 10
" W. S. York road	Third and Fourth	4	62½	49 01
Russell	Bayard and Bush	4	875	432 08
"	" " wrought pipe	4	1,202⅔	661 28
Rear S. S. Boundary	Robert and Linden avenue	4	125	63 26
" E. S. Madison ave.	North ave. and Whitelock lane	2	120	42 29
Leloup	Light and Patapsco	3	100	38 34
Gittings	Patapsco and Light	3	3	12 14
Rear E. S. Charles	Barney and Wells	3	37½	17 49
" W. S. Light	Barre and Conway	2	48	28 37
" N. S. Clement	Cooksie and Towson	3	150	63 33

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches	Length in Feet.	Cost.
Federal	Calvert and North	4	100	
Rear W. S. North	Federal and Lanvale	4	125	
		3	5	100 51
Hunter alley	First and Second	3	25	
First	Hunter alley and North	4	85	83 89
Rear W. S. Maryland av.	Fifth and Sixth	3	187½	85 42
" N. S. Preston	Ensor and Holland avenue	3	75	35 51
" N. S. Chew	Chester and Washington	3	250	113 77
Fifteen foot alley W. of Hampden avenue	Fourth and Fifth	4	275	162 50
Vincent alley	Pratt and McHenry	4	62½	36 33
Liberty	German and Baltimore	10	125	146 23
Warner	West and Ostend	6	562	440 97
Light	Hill and Lee	10	392	506 18
Rear S. S. Mosher	John and Foster alley	3	62½	29 29
Clarkson alley	Heath and Barney	3	125	59 60

Rear Carrollton avenue...	Townsend and Mosher			
Mosher.....	Carrollton and Arlington aves..	3	187½	113 28
Rear Druid Hill avenue..	Townsend and Lanvale.....	3	350	
Etting	" "	3	125	167 45
Rear E. S. Bond.....	Oliver and Federal.....	4	175	80 48
From Union avenue.....	and N. C. R. R. along Union ave to Railroad ave to Woodberry ave to Parkdale ave, and thence along Philosophers' Walk in the Park to High Service Reservoir	10	209⅔	305 99
Lanvale	Broadway and Bond.....	4	137½	70 27
Gay.....	Patterson Park av. & Townsend.	4	50	
Townsend.....	East of Gay.....	4	175	
Rear E. S. Gay.....	Townsend and Lanvale.....	3	200	
" Gay.....	Townsend and North avenue....	3	75	236 68
" S. S. Fairmount ave.	Irvin Place and Ann.....	3	62½	29 45
" E. S. Broadway....	Carlisle and Hoffman.....	4	162½	90 01
" W. S. Broadway...	Preston and Gay.....	4	25	15 43
Hunter alley.....	Preston and Mt. Royal avenue..	4	87½	
Mount Royal avenue.....	Hunter alley and Calvert.....	4	200	160 50
Rear N. S. Baltimore....	Bradford alley and Burke.....	4	87½	
" " "	Bradford al. & Patterson Pk av.	4	87½	108 44
Ann	Fayette and Hampstead.....	3	162½	88 26
Sewell.....	Penna. and Argyle avenue.....	4	112½	63 04

Location, Size, Number of Feet, and Cost of Distributing Main, Laid from January 1, 1889, *to December* 31, 1889.

Streets in which Pipes are Laid	Between what Streets.	Size in Inches.	Length in Feet.	Cost.
Rear E. S. Bond	Oliver and Federal	4	37½	22 67
Chew	Washington and Wolfe	6	74	118 62
Tome	Third and Fifth	4	450	
Third	Tome and First avenue	4	562½	473 79
Rear W. S. Madeira alley	Orleans and Jefferson	3	175	66 30
Goodman alley	Heath and Barney	3	112½	56 66
Tenth	North and Augusta avenue			
Bloomingdale road	South of North avenue	10	1,295	
Augusta avenue	West of Tenth			
Bloomingdale road	North of Augusta avenue			
Myrtle avenue	Ninth and Tenth			
Augusta avenue	" "	6	1,369	
Eleventh	Augusta and Maple avenue	4	125	
		3	5	2,466 41
			59,709⅔	$37,872 23

ENGINEER AND SUPERINTENDENT'S REPORT,

COUNTY DIVISION.

REPORT.

OFFICE OF THE

ENGINEER AND SUPERINTENDENT COUNTY DIVISION.

LAKE MONTEBELLO, January 2d, 1890.

R. K. MARTIN, ESQ.,

Chief Engineer Water Department:

SIR—I herewith respectfully submit my report for the year ending December 31st, 1889.

JONES' FALLS SUPPLY.

Owing to the unusual heavy rain-fall, the flow of the stream was greatly in excess of that of 1888, and no time during the year was there an insufficiency of water.

From August 15th to November 28th, Lake Roland was kept 6 feet below the over-flow of the dam to allow the removal of the sand and mud deposit in Roland run and Towson branch, and the banks to be riprapped.

There were 35 barrels of corn raised at Lake Roland, to be fed to the City's stock here and elsewhere on the line of the works.

The water in Lake Roland was too muddy for use 62 days during the year, and the greatest flow over the dam was 54¾ inches in height in the month of May.

The Harper waste weir and the conduit connecting Lake Roland with Hampden Reservoir, have required no outlay to maintain them in their usual good repair.

HAMPDEN RESERVOIR.

An Osage orange hedge around the outside property lines of this reservoir has been planted, and together with the young evergreen trees, are all thriving. The 30-inch pipe mains that lead from this reservoir to Druid Lake have entailed no expense the past year.

DRUID LAKE

Has been full of good clear water; the amount of water supplied by this lake was in excess of 1888, and the daily consumption average 15,000,000 gallons.

HIGH SERVICE RESERVOIR

Was emptied of water from July 20th to August 13th, and there were 1,205,043,818 gallons of water pumped by the steam pumps at the pump house in Druid Hill Park.

GUNPOWDER SUPPLY.

At Loch Raven the water was too muddy for use 109 days, 3 days more than in 1888.

The heaviest flow of water over the dam since its completion was on the 1st day of June when it was 8 feet in height, the greatest flow of water in any

month during the year was in July and the least in October.

On July 13th, the 14-foot span stone arch culvert over Mine Bank run on the road leading from Loch Raven station, Maryland Central Railroad, to Loch Raven, was washed away during a severe rain storm.

This culvert has since been replaced with stone abutments for an open bridgeway 30 foot span, and the roadway raised three feet higher than formerly.

There were 1,275 evergreen trees removed from the nursery at Loch Raven, and planted at the different stations on the line of the works.

All the 36-inch pipes of the temporary supply at Meredith's Ford on the Gunpowder Falls to Lutherville have been taken out of the ground, hauled and re-laid on the line of the Eastern High Service pumping main from the pumping station at Ann and Oliver streets, to the Guilford Reservoir.

There were 92 barrels of corn and 730 bushels of oats raised on City property at Loch Raven for the use of the department's stock.

LAKE MONTEBELLO

Has been full of good clear water, except when the waters of Loch Raven were too muddy to be let into it. The greatest amount of water in any one month passing through this lake was 23,000,000 gallons in July, which is exclusive of the daily waste of 56,000,000 gallons through the bottom gates to secure a pure circulation, and the greatest daily consumption from both supplies was 38,354,420 gallons in August.

LAKE CLIFTON.

This lake has been emptied twice during the year of water, to allow the embankments surrounding it to settle; it is now full, and all the City supply from the Gunpowder Falls is passing through this lake.

The drive around Lake Clifton is about completed, and a wrought iron railing has been erected around the lake.

The seven-mile tunnel connecting Loch Raven and Lake Montebello and the tunnel between Lakes Montebello and Clifton are in thorough working order, and have been no expense during the year. Mount Royal Reservoir is also working satisfactorily, and continues to receive its supply of water from the Gunpowder Falls.

I again take pleasure in speaking of the efficient manner in which the officers and men of this division have performed their various duties during the year.

Respectfully submitted,

WM. L. KENLY,

Engineer and Superintendent County Division.

STATEMENTS,

ENGINEER AND SUPERINTENDENT'S REPORT.

COUNTY DIVISION.

BALTIMORE CITY WATER WORKS.

TABLE OF RAIN-FALL IN INCHES.

1889.	Jones' Falls Supply.			Gunpowder Supply.		
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Mt. Royal Reservoir.	Loch Raven.	Lake Montebello.
January	4 21	4 67	4.54	4.50	4.44	4.08
February ...	2.64	2.55	2.58	2.48	2.72	2.25
March	5.16	6.38	6.23	6.30	5.50	5.61
April	8.10	8.14	8.27	8.33	8.82	8.29
May	7.50	6.32	6.80	6.96	6.14	6.01
June	7.10	5.88	5.84	5.90	7.34	6.09
July	12.15	12.45	12.52	12.50	16.31	11.74
August.....	2.35	1.07	1.07	1.20	3.76	1.48
September...	5.95	6.23	6.98	6.65	8.35	5.22
October.....	4.66	4.56	4.53	4.58	4.46	4.61
November...	7.15	6.46	6.54	6.42	7.29	6.54
December...	.90	.84	.54	.55	.77	.70
Total	67.87	65.45	66.44	66.37	75.90	62.62

Respectfully submitted,

WM. L. KENLY.

Engineer and Superintendent County Division.

ANNUAL REPORT

— OF THE —

Trustees of the Poor

— OF THE —

CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1889.

OFFICERS OF THE INSTITUTION.

BOARD OF TRUSTEES:

JOSEPH FRIEDENWALD, *President.*

JOHN BLACK, *Secretary.*	JOHN J. PENTZ,
SIMON I. KEMP,	ADOLPH MARTINI,
GEORGE A. BLAKE,	JACOB PAPPLER.

JOHN F. STONE.....Superintendent.
JONN M. McELROY.....Purveyor
JOHN R. HAMMETT.....Clerk and Storekeeper.
SUSANNA McCAHAN.....Matron.
WILLIAM KAISER.....Engineer.
JAMES J. FARRALL.....Assistant Engineer.
JOHN F. BARRANGER.....Gardener.
THOMAS CONNOR.....Messenger.
CHARLES JONES.....Baker.

MEDICAL DEPARTMENT:

DR. FRANKLIN W. HAINS.....Resident Physician.
DR. FRANK DYER SANGER..... " "
DR. WM. E. RAMSAY.....{Resident Physician for Insane Department.
DR. WM. E. WRIGHT.....Assistant.
W. J. HILL.....Apothecary.

REPORT.

BAY VIEW ASYLUM, December 31. 1889.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

We have the honor to present to you our annual report, comprising, in detail, a statement of the entire management for the past year of this charitable institution. Your Trustees are fully aware of the responsibilities attending the care of the poor and unfortunate, and they have endeavored, by improved methods and a humane administration, to lessen the ills and infirmities of that class whose condition has compelled them to accept the charity of our City.

It is nothing new in the world's history that the poor and unfortunate form a part of all communities; for we find written in the Holy Book, "For the needy will never cease out of the land, therefore do I command thee, saying, thou shalt open wide thy hand, and to thy brother, to thy poor, and to thy needy in thy land."

We find from this biblical quotation, at a very remote period, that the condition of man has changed but little; how much greater is the necessity to meet and alleviate the condition of those whose destiny seems poverty. When we take into consideration the sharp and active competition in the race for existence, we find more cause why poverty still exists and is on the increase.

Speculative theorists have advanced many ideas to combat poverty and dependence, but with questionable success. Even the wood-yard, one of the latest ideas to bring about self-support and cure indolence, and to create thrift and energy instead, has failed in its object. What the poor and unfortunate need is sympathy and help, which can only be given by those "who deal not in idle and speculative vanities," but who realize that the poor exist in the various degrees of poverty, and none are so well adapted to administer charity as those who have come in direct contact with the unfortunate.

We find in the whole social structure various degrees of mental and physical weaknesses. Practical experience has demonstrated that the poor are not the entire owners of these infirmities, yet those who assume to stand on a higher social plane often project Utopian ideas for the extinction of want and poverty by advising thrift, sobriety, etc. Of course, nothing could have a more beneficial or salutary effect if this advice would or could be heeded; but these attributes seem

natural and inherent, and no amount of advice can make the inebriate sober, the indolent energetic, or the thriftless economical. The Board of Trustees in making these remarks should not be accused of any sickly sentimentality, but they reflect the experience of many years with the poor of our City.

We find by kind and humane treatment a respectable number of the inmates of Bayview have been turned over to their homes and families altered men, and many have been bettered in their social and moral condition for a long period of time. Every influence that could possibly bear upon the improvement of their spiritual condition has been freely accorded to them by the various church organizations, nor have their physical wants been neglected.

FARMING OPERATIONS.

It has been our steady aim to provide the inmates with as many vegetables as we possibly could, first on account of economy, and second for the purpose of employing those who could render some service to the institution. Uniformly we have raised large crops which in part conduced to the general health as well as a large saving of our appropriations which would have otherwise been diverted in the purchase of the requisite amount of garden truck for proper feeding of the inmates. We are hopeful that the future will bring even larger results. To this end the trustees will endeavor to enlarge the farm products, so that the best possible results will be attained.

OLD AND INFIRM CHRONIC DEPARTMENT.

In the distribution of charity, none is better applied or more gratefully appreciated than that which is extended to the old and infirm, they comprise that class of people (both male and female), who in the course of time become entirely helpless, without home or friends; among these are many who for a long period enjoyed their own homes and were respected by their neighbors; they might have avoided a few years of destitution and privation by making an earlier demand for admission to Bay View Asylum, but the love of home, the sentiment of independence and the attachment to trifling objects of a few household articles delayed their application until the last extremity. We consider this class of inmates, morally quite equal to the average citizen, and we have uniformly considered their condition as one of special solicitude and attention.

MEDICAL DEPARTMENT.

The Trustees state with great pleasure, that the Medical Department has given entire satisfaction. Many important surgical operations were made during the year, and various diseases treated with skill and success. The Hospital Department is splendidly managed, and the patients have every comfort that any hospital can give. The resident Physicians have full power to order such diet and in such quantities as the advanced medical science prescribes. There is a head steward to this department under whom the nurses are

directed, and the care and attention given to patients are not inferior to any other hospital.

The Board of Trustees beg to acknowledge their thanks to the resident Physicians, Dr. Wm. E. Ramsay, Dr. Franklin W. Hains, Dr. Wm. E. Wright and Dr. Frank Dyer Sanger, also to the visiting Professors of the University of Maryland, the College of Physicians and Surgeons, and the Professors of the Johns Hopkins University, for their faithful and regular attendance.

INSANE DEPARTMENT.

This department is under good control, and the work done there has been fully appreciated by the Committee on Lunacy. Scarcely any restraint is used upon the patients, and all the newer methods are applied, which skill and science have developed, with very favorable results.

It is a known fact that insanity is largely on the increase throughout the whole country, which fact is evidenced in the increase of the number of patients in this department. We were notified by the State Lunacy Commission a short while since not to take any more patients, as we were now over-crowded; we have complied as near as we could to the wishes of the commission, bnt cases of absolute necessity, which mostly come through the Police Department, were admitted to our already over-crowded institution. We have frequently called your attention to this deplorable fact, and would now ask your serious attention for an early remedy.

INMATES.

There were remaining in the Institution, December 31st, 1889, 1,236 inmates. There were admitted during the year 2,189. There were born in the Institution during the same period 18 children, making a total of 3,511, who received the benefit of this Institution during the dear. The average number of inmates during the year $1,068\frac{4}{12}$.

The amount drawn as per warrants upon the City Comptroller during. the year was $81,920.32, less $2,-752.38 received from sundry sources as per exhibit, and paid into the City Treasury under existing City ordinance reducing the net amount expended by the Trustees for the year ending December 31st, 1889, to $79,167.94, the cost per capita being $74.10\frac{5}{12}$.

The number in the Asylum at this time is 1,236, of which number 1,074 are white and 162 are colored. Of the 2,207 admitted during the year, 1,193 were born in the United States, 994 were of foreign born, and 20 unknown. Of the number born in the United States, 479 claim their nativity in the City of Baltimore, 193 were born in the State of Maryland, and 541 claim their nativity in the States of the Union. Of the 18 infants born in the Institution, 8 were white and 10 were colored.

FINANCIAL.

Exhibit No. 1 of this report will show the amount received and the source from whence it was derived during the year, as also the purpose for which it was expended.

The amount of the appropriation made by the City for the support of the Institution for the year ending December 31st, 1888, was $85,000.00. By reference to the aforesaid exhibit, it will be observed that of the amount appropriated, $81,920.32 was drawn from the City Treasury, and $2,752.38 was paid to the City Register from Board of Inmates, resident students and sales of old material, such as rags, bones, barrels, &c., received; also returned to the City Treasury $3,079.68, amount of appropriation unexpended.

The amount drawn from the City Treasury has enabled the Trustees to meet and discharge all liabilities incurred by them in the management of the trust confided to them. The Trustees, owing to the number of inmates, find it necessary to ask for an appropriation of $85,000.00 for the year 1890.

The Board tender to all the officers their warmest thanks for their faithful and efficient services during the year.

Respectfully submitted,

JOSEPH FRIEDENWALD,
JOHN BLACK,
SIMON I. KEMP,
GEORGE A. BLAKE,
JOHN J. PENTZ,
ADOLPH MARTINI,
JACOB PAPPLER,
Trustees.

TABLES.

FINANCIAL EXHIBIT FOR 1889.

Showing the amount received by the Trustees during the year terminating December 31st, 1889, the source from whence derived and the purposes for which disbursements were made, and the amount expended.

Dr. 1889.			Cr. 1889.		
Dec. 31—To amount received from City Comptroller on account of annual appropriation...	$81,920	32	Dec. 31—By balance paid for supplies, embracing food, fuel, clothing, bedding and other necessaries.....	$49,664	77
To amount received from sale of bones, grease, barrels and offals.....	77	53	By amount expended on farm account, embracing provender for the horses and cows, repair of carriages and wagons and harness, purchases and repairs of farm implements, shoeing animals, and such other expenditures as are		
To amount received from inmate boarders.	1,444	00			
To amount received from board resident students.....	1,025	00			
To amount received from sale of medicines.....	3	35			

To amount received from sale of live stock, grain, &c.....	202 50	properly chargeable to farm account.....	4,029 93
		By amount paid for hospital stores.....	5,438 52
		By amount paid for expenses incurred in repairs about the buildings and fences..	5,398 97
		By amount paid for salaries and hire account.....	16,076 13
		By amount paid trustees per diem.....	1,312 00
		By amount paid City Register as required by ordinance of the city	2,752 38
	$84,672 70		$84,672 70

FINANCIAL EXHIBIT FOR 1889—Concluded.

RECAPITULATION.

Amount drawn from City Treasurer	$81,920 32
Amount paid City Register	2,752 38
Actual amount expended	$79,167 94
Average number of inmates	1,068 4/12
Cost per capita	$74 10 5/12
Amount of appropriation	$85,000 00
Amount expended	81,920 32
Amount unexpended remaining in City Treasury	$ 3,079 68

TABULAR STATEMENT

OF THE

SUPERINTENDENT,

MARKED A to M,

For the Year 1889.

TABLE A.

Showing the number of persons admitted, born, discharged, eloped, bound and died; also the number remaining at the expiration of each month for year ending December 31st, 1889.

DATE 1889.	Admitted.	Born.	Discharged.	Eloped.	Bound.	Died.	Remaining.
January	217	1	160	59	..	21	1,282
February	212	3	139	36	..	18	1,304
March	177	..	198	60	..	19	1,204
April	179	1	171	147	1	24	1,041
May	121	..	178	48	..	17	919
June	109	2	79	22	..	8	921
July	126	1	86	23	..	21	918
August	161	1	98	30	..	23	929
September	153	2	100	35	..	21	928
October	191	4	79	18	..	11	1,015
November	244	2	99	24	..	15	1,123
December	299	1	142	25	..	20	1,236
Total	2,189	18	1,529	527	1	218	12,820

On the books December 31st, 1888		1,304
Total ingress		2,207
		3,511
Total egress		2,275
In the house December 31st, 1889		1,236

TABLE B.

Showing the Birthplace of persons admitted to the Almshouse from January 1, 1889, to December 31, 1889.

NATIVES.		FOREIGNERS.	
Almshouse	25	Germany	350
Baltimore	479	Ireland	375
Maryland	193	Wales	2
Virginia	109	England	79
Pennsylvania	82	Scotland	80
New York	136	France	13
Delaware	7	Sweden	6
Dist. of Columbia	20	Russia	11
Massachusetts	30	Denmark	11
New Jersey	15	Italy	11
Rhode Island	8	Poland	17
Ohio	8	Bohemia	4
Tennessee	3	Holland	2
Connecticut	9	Switzerland	7
South Carolina	2	Norway	5
Missouri	7	Austria	6
California	2	South America	2
Maine	1	Canada	9
Vermont	4	East Indies	1
Michigan	4	Brazil	1
Kentucky	2	Belgium	2
North Carolina	16		
Florida	3	Foreigners	994
Mississippi	2	Natives	1,213
Illinois	2		
Georgia	9		
Louisiana	6		
West Virginia	9		
Unknown	20		
	1,213	Total	2,207

TABLE C.

Showing the ages of persons admitted to the Almshouse from January 1st 1889, to December 31st, 1889.

Under 1 year	26
From 1 to 5 years	15
" 5 " 10 "	2
" 10 " 15 "	10
" 15 " 20 "	57
" 20 " 30 "	520
" 30 " 40 "	495
" 40 " 50 "	498
" 50 " 60 "	247
" 60 " 70 "	215
" 70 " 80 "	54
" 80 " 90 "	19
" 90 " 100 "	2
Unknown	17
Total	2207

TABLE D.

Showing the period of Residence in the City of all persons admitted into the Almshouse from January 1st, 1889, to December 31st, 1889.

Born in the Almshouse	25
Born in Baltimore	479
Less than one week	230
One week, and less than one month	175
One month, and less than three months	72
Three months, and less than six months	56
Six months, and less than one year	146
One year, and less than two years	241
Over two years	762
Period of residence unknown	21
Total	2,207

TABLE E.

Showing the habits of persons admittedin to the Almshouse, from January 1st, 1889, to December 31st, 1889.

Intemperate adults	1,581
Temperate adults	563
Adults, whose habits are unknown	25
Children of intemperate adults	3
Children of temperate adults	35
Children of adults, whose habits are unknown	
Total	2,207

TABLE F.

Showing the Monthly Average of persons in the Almshouse, from January 1st 1889, to December 31st, 1889.

Date 1889.	WHITE.			COLORED.			Total.	WHERE FROM.		Total.
	Men.	Women.	Children.	Men.	Women.	Children.		City.	Elsewhere.	
January	744	330	25	89	88	6	1,282	708	574	1,282
February	761	327	25	94	91	6	1,304	704	600	1,304
March	671	331	25	81	93	3	1,204	607	597	1,204
April	523	335	20	75	87	1	1,041	533	508	1,041
May	413	328	19	67	90	2	919	535	384	919
June	426	322	17	58	94	4	921	539	382	921
July	424	330	19	53	89	3	918	558	360	918
August	440	332	20	47	88	2	929	575	354	929
September	427	335	20	49	93	4	928	586	342	928
October	479	362	25	52	91	6	1,015	533	482	1,015
November	575	367	24	57	92	8	1,123	603	520	1,123
December	679	372	23	65	89	8	1,236	620	616	1,236
Total	6,562	4,071	262	787	1,085	53	12,820	7,101	5,719	12,820
Monthly average	$456\frac{10}{12}$	$339\frac{3}{12}$	$21\frac{10}{12}$	$65\frac{7}{12}$	$90\frac{5}{12}$	$4\frac{5}{12}$	$1,068\frac{4}{12}$	$591\frac{9}{12}$	$476\frac{9}{12}$	$1,068\frac{4}{12}$

TABLE G.

Showing the Number of persons Committed to the Almshouse by Magistrates, and their age, sex, color, and period of Commitment, from January 1st, 1889, to December 31st, 1889.

Date. 1889.	SEX AND AGE.					COLOR.			PERIOD OF CO'MENT.			
	Males over 21.	Males under 21.	Females over 18.	Females under 18.	Total.	White.	Black.	Total.	Under 3 months.	3 to 6 months.	6 months and over.	Total.
January	7	....	2	....	9	8	1	9	1	3	5	9
February	7	....	3	....	10	9	1	10	3	5	2	10
March	7	1	3	....	11	9	2	11	2	5	4	11
April	7	....	2	....	9	7	2	9	5	2	2	9
May	8	....	1	....	9	7	2	9	3	3	3	9
June	5	....	4	....	9	8	1	9	2	5	2	9
July	3	....	4	....	7	6	1	7	.....	6	1	7
August	5	2	4	....	11	10	1	11	4	4	3	11
September	8	....	1	....	9	8	1	9	5	.....	4	9
October	4	....	3	....	7	7	....	7	2	2	3	7
November	7	....	4	....	11	10	1	11	6	1	4	11
December	4	....	....	1	5	3	2	5	2	1	2	5
Total	72	3	31	1	107	92	15	107	35	37	35	107

TABLE H.

Showing the Birthplace of persons committed to the Almshouse as Vagrants, &c., by Magistrates, from January 1st, 1889, to December 31st, 1889.

NATIVES.		FOREIGNERS.	
Baltimore	23	Germany	29
Maryland	14	Ireland	5
New York	3	Bohemia	1
Pennsylvania	5	Austria	1
Virginia	13	Poland	1
Rhode Island	1	Russia	1
Dist. of Columbia	2	Italy	1
North Carolina	2	France	1
Massachusetts	1	Norway	1
Kentucky	1		
Georgia	1		
	66	Foreigners	41
		Natives	66
		Total	107

TABLE I.

Showing the work done by inmates from January 1st, 1889, to December 31st, 1889, and its approximated value.

21,910	days labor, at $1.00	$21,910 00
1,878	" washing and ironing, at 50 cts.	939 00
2,252	" carpentering, at $1.50	3,378 00
626	" painting and glazing, at $1.50	939 00
313	" tinning, &c., at $1.50	469 50
96	" bricklaying, at $1.50	144 00
21	" plastering, at $1.50	31 50
1,232	" tailoring, at $1.50	1,878 00
939	" cobbling, at $1.50	1,408 50
626	" blacksmithing, at $1.50	939 00
3,521	shirts made, at 12 cts	422 52
1,727	undergarments made, at 15 cts.	259 05
902	frocks made, at 25 cts.	225 50
502	pairs drawers made, at 15 cts.	75 30
67	" stockings made, at 20 cts	13 40
453	aprons made, at 5 cts	22 65
41	infant's slips made, at 10 cts.	4 10
530	bed ticks made, at 15 cts	79 50
735	pillow cases made, at 15 cts	110 25
279	pillow ticks made, at 5 cts.	13 95
732	bed sheets made, at 5 cts.	36 60
96	window curtains made, at 10 cts	9 60
202	woman's jackets made, at 25 cts	50 50
92	table covers made, at 5 cts.	4 60
1,012	towels made, at 5 cts.	50 60
290	slips made, at 20 cts.	58 00
347	quilts and spreads made, at $1.00	347 00
52	mosquito nettings made, at 50 cts.	26 00
		$34,356 62

TABLE K.

Showing the Quantity of Clothing issued to the Inmates, from January 1, 1889, to December 31, 1889.

Date. 1889.	Pairs of Shoes and Slippers.	Shirts.	Pairs of Men's Hose.	Pantaloons.	Vests.	Jackets.	Coats.	Hats.	Aprons.	Flannel Shirts.	Slips.	Dresses.	Women's Stockings.	Drawers.	Under Garments.	Wom's Josies and Jackets.
January	72	530	198	92	31	20	63	4	67	132	27	229	38	167	103	96
February	95	475	170	87	25	40	52	...	49	97	35	139	19	132	87	54
March	84	167	290	72	19	39	35	25	21	27	17	123	54	94	91	32
April	86	530	120	63	28	17	29	..	32	19	...	42	32	119	112	47
May	114	198	297	78	10	7	38	...	34	27	..	31	11	11	74	17
June	371	137	17	96	5	11	23	36	18	...	38	41	38	22	56	14
July	92	196	98	84	3	7	37	...	22	...	9	24	19	28	49	28
August	151	92	68	71	4	4	10	36	9	...	...	21	32	32	97	36
September	97	184	87	141	18	23	11	...	52	32	30	13	36	26	158	45
October	70	289	130	92	39	19	20	18	45	28	...	17	42	41	92	17
November	47	312	317	278	54	31	26	18	32	54	29	14	39	84	138	32
December	120	340	370	93	89	62	58	...	61	75	11	39	47	39	74	21
Total	1399	3450	2162	1247	325	280	402	137	442	491	196	733	407	795	1131	439

TABLE L.

Showing the number of Births and Deaths in each Month, also the Sex and Color, from January 1, 1889, to December 31, 1889.

Date. 1889.	BIRTHS.					DEATHS. ADULTS.				DEATHS. CHILDREN.				
	White Males	White Females	Colored Males	Colored Females	Total	White Males	White Females	Colored Males	Colored Females	White Males	White Females	Colored Males	Colored Females	Total
January	1	..	..	..	1	13	..	4	4	..	..	..	..	21
February	2	1	..	..	3	6	4	3	5	..	..	..	..	18
March	..	..	..	..	..	8	4	5	2	..	..	..	..	19
April	1	..	..	..	1	9	3	7	5	..	..	..	..	24
May	..	..	..	..	..	9	4	2	2	..	..	..	..	17
June	..	..	2	..	2	3	1	2	2	..	..	..	..	8
July	..	1	..	..	1	6	4	3	7	1	..	..	..	21
August	1	..	..	..	1	9	6	6	2	..	..	..	..	23
September	..	..	2	..	2	12	5	1	3	..	..	..	..	21
October	..	1	..	3	4	3	3	3	2	..	..	..	..	11
November	..	..	..	2	2	7	3	2	2	..	1	..	..	15
December	..	..	1	..	1	7	6	4	3	..	..	..	..	20
Total	5	3	5	5	18	92	43	42	39	1	1	0	0	218

TABLE M.

Showing the Names, Quantity and Average cost of Articles purchased for the Institution from January 1, 1889 to December 31, 1889.

A.

Apples, dried,	387 lbs.	at 5 cts. per lb.
Apples,	14 bbls.	at $2.32 per bbl.
Alcohol,	8 gallons,	at $2.12 per gal.
Axle grease,	289 pounds,	at 5¼ cts. per lb.

B.

Brushes, shaving,	½ dozen,	at 12½ cts. each.
" dusting,	4 dozen,	at $3.87 per doz.
" scrubbing,	16 dozen,	at 1.50 "
" whitewash,	4½ dozen,	at 15.00 "
" deck scrub,	1 dozen,	at 3.15 "
" sweeping,	1 dozen,	at 11.25 "
" shoe,	½ dozen,	at 6.00 "
" paint,	1½ dozen,	at 28 cts. each.
Buckets, agate,	5 dozen,	at $18.00 per doz.
" water,	6 dozen,	at 2.45 per doz.
Butter,	4,520 lbs.,	at 15 cts. per lb.
Brooms, corn,	38 dozen,	at $2.75 per doz.
" street,	1 dozen,	at 5.50 "
" hickory,	10 dozen,	at 2.75 "
Blankets,	158 pairs,	at 1.30 per pair.
Bricks,	17,500,	at 8.50 per M.

TABLE M—Continued.

Buckwheat,	235 pounds,	at 3 cts per lb.
Bacon, shoulder,	28,403 lbs.,	at 6¼ " "
" S. C.,	2,765 lbs.,	at 6¾ " "
" hams,	3,012 lbs.,	at 11½ " "
Beef, corned,	711 pounds,	at 4 " "
Beef, roast,	4,354 lbs.,	at 10 " "
Beef steak,	6,065 lbs.,	at 10 cts. per lb.
" general house,	99,588 lbs.,	at 4 cts. per lb.
" round,	3,614 lbs.,	at 4 cts. per lb.
Beans, white,	159 bushels,	at $1.83 per bu.
Brogans,	637 pairs,	at $1.27 per pair.
Buskins,	324 "	at $1.00 per pair.
Bread, pilot,	751 pounds,	at 5½ cts. per lb.

C.

Crackers, water,	1,368 lbs.,	at 7½ cts. per lb.
" soda,	271 pounds,	at 8 " "
Skirting, for lining,	663 yards,	at 25 cts. per yd.
Calico, for comforts,	2,295 yards,	at 11½ " "
Candles,	70 pounds,	at 9 cts. per lb.
Cheese,	55 "	at 12½ " "
Corn starch,	960 "	at 5½ " "
" meal,	1,325 "	at 1¼ " "
" ear,	106 barrels,	at $2.49 per bbl.
" chop,	13,600 lbs.,	at 65 cts. per 100.
Coal, Cumberland,	1,943 tons, 1,415 lbs.,	at $2.92 per ton.
" Sunbury,	101 tons, 1,150 lbs.	at $4.54 "

TABLE M—Continued.

Coffee, Java,	1,463 lbs.,	at 23½ cts. per lb.
" Rio,	9,070 "	at 18½ " "
" Hummell's Ess.,	1,352 "	at 4½ " "
Crash,	401½ yards,	at 14½ cts. per yd.
Cakes, ginger,	642 pounds,	at 6¾ cts. per lb.
" sugar,	251 "	at 9½ " "
Chamois skin,	2	at 82½ cts. each.
Cement,	23 barrels,	at $1.54 per bbl.
Calcined plaster,	2 "	at $2.00 "
Charcoal,	150 "	at 40 cts. per bbl.
Collars, horse,	1	at $4.00.
Combs, dressing,	12½ dozen,	at 60 cts. per doz.
" fine tooth,	8 "	at 50 " "
Cotton waste,	30 pounds,	at 12 cts. per lb.
" batts,	700 "	at 13½ " "
Construction account,		$510.50.
Clothing, men's r'dy made,		357.50.

D.

Damask, table,	24 yards,	at 90 cts. per yd.
Dress goods, calico,	753¼ yards,	at 8½ " "
Domestic plaid,	2203 "	at 14 " "
Drugs (per contract),		$2,478.26.
Surgical instruments,		223.75.

E.

Engineer's stores and repairs,	$1,310,50.

TABLE M—Continued.

F.

Flannel, Canton,	360¾ yards,	at 15¼ cts. per yd.
" red,	124¼ "	at 37½ " "
Flour, family,	53 barrels,	at $6.31 per bbl.
" extra,	1805 "	at 3.78 "
Fire clay,	1 barrel,	at 2.50 "
Files, saw,	2 dozen,	at 1.60 per doz.
Furniture, &c.,		$545.37.

G.

Glass, window,	6 boxes,	at $2.54 per box.
Glass and Queensware,		$78.70.
Glue,	15 pounds,	at 18 cts. per lb.
Grain, feed,	2070½ bus.,	at 8½ cts. per bus.

H.

Hose, women's,	32 dozen,	at $1.20 per doz.
" men's,	142 "	at 82 cts. "
Hops,	150 pounds,	at 28⅜ cts. per lb.
Hay,	30 $\frac{510}{2000}$ tons,	at $13.78 per ton.
Hominy,	15bbls. & 10 bags,	at $2.73 per bbl.
Hardware,		$241.44.
Harness and repairs,		37.10.
Herrings, salt,	33 barrels,	at $3.23 per bbl.
" fresh,	4,000,	at 40 cts per 100.

TABLE M—Continued.

Hats,	14 dozen,	at $2.89 per doz.
Handkerchiefs,	3 dozen,	at 75 cts. "

I.

Ice,	$64\frac{250}{2000}$ tons,	at $5.85 per ton.

L.

Leather, sole	719¾ lbs.,	at 30 cts. per lb.
" calf skin,	12	at $2.25 each.
Lye, concentrated,	1 box,	at 2.35 per box.
Lard,	3,234 lbs.,	at 7¾ cts. per lb.
Lime,	212 bushels,	at 25 cts. per bus.
Lime, chloride,	1,792 lbs.,	at 3 cts. per lb.
Lumber, assorted,		at $538.32.
Live stock,		at $290.00.
Lead, white,	1,250 lbs.,	at 6⅜ cts. per lb.

M.

Muslin, striped shirt'g,	1,398¾ yds.,	at 11½ cts. per yd.
" white "	470½ "	at 20½ " "
" brown "	7,463 "	at 6¾ " "
Men's wear,	2,051¾ "	at 30 " "
Mosquito netting,	24 pieces,	at 50 cts. per piece.
Matches,	135 gross,	at 60 cts. per gross.
Malt, ground,	10 bushels,	at $1.10 per bus.
Mutton and chops,	18,008 lbs.,	at 3.15 per 100.
Molasses,	724 gallons,	at 27 cts. per gal.

TABLE M—Continued.

Mackerel, No. 1,	1 kit,	at $1.90 per kit.
Middlings,	1,656 bus.,	at 15 cts. per bus.
Meal, flaxseed,	1 bushel,	at $1.60 per bus.
Miscellaneous,		at $4,863.51.
	N.	
Notions,		at $292.11.
Nails, finishing,	8 papers,	at 12 cts. per paper.
Nails (cut),	7 kegs,	at $2.31 per keg.
	O.	
Oatmeal,	4 barrels,	at $6.03 per bbl.
Oats,	380 bushels,	at 35 cts. per bus.
Oil, lard,	196 gallons,	at 65 cts. per gal.
Oil, gasoline,	266 barrels,	at $5.65 per bbl.
	P.	
Posts, cedar,	48,	at $1.05 each.
Pies, assorted,	1,300,	at 6 cents each.
Paints,		$146.18.
Putty,	100 pounds,	at 2½ cts. per lb.
Potatoes,	2,808 bus.	at 43 cts. per bus.
Phenile,	101 gallons,	at $1.25 per gal.
Peas (green),	5 14/60 bushels,	at 1.45 per bus.
Pork (corned),	650 pounds,	at 8 cts. per lb.
Plaster for land,	5 barrels,	at $1.50 per bbl.
Phosphates, S. House,	1½ tons,	at 28.60 per ton.

TABLE M—Continued.

R.

Rice,	4,709 lbs.,	at 5½ cts. per lb.
Rivets, tin,	4 pounds,	at 23 cts. per lb.
Repairs in general,		$1,372.55.

S.

Slip stuff,	952¼ yards,	at 27 cts. per yd.
Spectacles,	6 dozen,	at $2.50 per doz.
Starch, laundry,	440 pounds,	at 3½ cts. per lb.
Spoons, tinned, iron,	3 gross,	at $2.20 per gross.
Soap, toilet (ivory),	6 dozen,	at 66 cts. per doz.
" M. & L.,	10,000 lbs.,	at 3½ cts. per lb.
" white,	9,852 "	at 5½ cts. per lb.
Shoe laces,	25 gross,	at 40 cts. per gr.
" " (leather),	14 "	at 65 cts. per gr.
Shovels,	1 dozen,	at $4.20 per doz.
Salt, fine,	189 bushels,	at 46 cts. per bus.
Salt, G. A.	48 bush.,	at 26c. per bush.
Straw, wheat,	$92\frac{1156}{2000}$ tons,	at $9.00 per ton.
Straw, oat,	1,650 lbs.,	at $8.00 "
Solder,	61½ "	at 16 cts. per lb.
Shoe findings,		$17.82.
Sugar, brown,	20,395 lbs.,	at 6½ cts. per lb.
Sugar, white,	8,643 "	at 8 cts. "
Shoe blacking,	6 doz.,	at 50 cts. per doz.
Slippers, men's,	132 pair,	at 75 cts. per pair.
" women's,	112 "	at 65 cts. "
Shoeing and repairs,		$248.52.

TABLE M—Concluded.

Stoves and pipes,		$41.24.
Spices, &c.,		$113.07.
Sal soda,	450 lbs.,	at 1¼ cts. per lb.
Seed, garden,		$74.90.

T.

Towels,	3 doz.,	at $2.98 per doz.
Tin plate,	9 boxes,	at $7.72 per box.
Tobacco,	2,877 lbs.,	at 25 cts. per lb.
Tea, He-No,	121 "	at 50 cts. "
" Imperial & Black,	1,805 "	at 35 cts. "

V.

Vinegar,	322 gals.,	at 13 cts. per gal.

W.

Whiskey, (dispensary),	364½ gals.	at $1.85 per gal.
Wood, pine,	30 cords,	at $3.50 per cord.

Y.

Yeast powder,	4 gross,	at $1400 per gr.

Report of the Engineer.

BAYVIEW ASYLUM, January 1, 1890.

To the Honorable Board of Trustees:

GENTLEMEN :

I herewith most respectfully present to you the annual report of this department, for the year ending December 31, 1889.

WM. KAISER, *Engineer.*

Total amount of George's Creek coal consumed, and by what departments of the Institution.

1889.	Lbs.	Tons.	Pounds.
Tubular Boilers	3,871,520	1,728	800
Blacksmith shop	12,400	5	1,200
	3,883,920	1,733	2,000

Total amount of Sunbury Coal consumed, and by what departments of the Institution.

1889.	Lbs.	Tons.	Pounds.
Centre kitchen	74,810	33	890
Matron's kitchen	49,952	22	672
Ironing room	30,240	13	1,120
Bake house	73,180	32	1,500
Pest hospitals	103,240	46	200
Insane building	48,140	21	1,100
Main gate	11,630	5	430
East gate	7,292	3	572
West gate	7,318	3	598
Carpenter shop	7,650	3	930
	413,452	184	1292

George's Creek coal on hand Dec. 31, 1889....75 tons.
Sunbury coal on hand Dec. 31, 1889.....50 "

Report of the Gardener.

BAYVIEW ASYLUM, January 1st, 1890.

To the Honorable Board of Trustees:

GENTLEMEN:

Permit me most respectfully to present this my annual report as the Gardener of the institution, for the year ending December 31st, 1889.

JOHN F. BARRANGER, *Gardener.*

REPORT OF THE GARDENER.

Articles.	Bush'ls.	Dozen	Bunches	Pounds.	Gallons.	Tons.	No. of	Prices.	Total Amount.
Cabbage							10,907	$ 4	$ 436 28
Tomatoes	498							60	298 80
Potatoes	420							50	210 00
Asparagus			115					20	23 00
Turnips	960							60	576 00
Carrots	536							70	375 20
Parsnips	260							1 00	260 00
Celery			1,648					10	164 80
Corn		165						12	19 80
Pickles							2,000	$3prM	6 00
Radishes			4,231					3	126 93
Green Peas	296							60	177 60
String Beans	295							70	206 50
Leeks			2,849					4	113 96
Parsley			4,870					1	48 70
Lettuce							2,296	5	114 80
Onions			3,605					3	108 15
Onions	179							3 00	537 00

Onions (setts)	12							5 00	$ 60 00
Thyme			4,820					1	48 20
Lima Beans	149							2 00	298 00
Beets			4,791					3	143 73
Peppers	18							70	12 60
Oyster Plant			768					4	30 72
Cabbage Sprouts	310							50	155 00
Kale Sprouts	185							40	74 00
Gumbo	25							1 00	25 00
Cucumbers		148						8	11 84
Horse-Radish							300	4	12 00
Timothy Hay						12		15 00	180 00
Oats	85							30	25 50
Straw						3		8 00	24 00
Pork				2,069				6	124 14
Pigs							81		197 00
Ice						40		5 50	220 00
Butter				1,589				25	397 25
Cream					732			40	292 80
Milk					8,924			16	1,427 84
Eggs		2,430						20	486 00
									$8,049 14

REPORT OF THE BAKER.

BAYVIEW ASYLUM, January 1st, 1890.

To the Honorable Board of Trustees:

GENTLEMEN:

I herewith present this, my annual report as Baker of this Institution for the year ending December 31st, 1889.

Very respectfully,

CHARLES JONES, *Baker.*

Flour received		1,762 barrels.
Loaves of bread baked...	423,732	
Loaves of bread on hand January 1st, 1889.....	1,080	
	424,812	
Loaves of bread sent to store.....	424,074	
On hand Jan. 1st, 1890..	738	
Weight of bread baked.....		531,015 lbs.
Average weight of each loaf.....		1 lb. 4 ozs.

REPORT

OF THE

RESIDENT PHYSICIANS

FOR THE YEAR ENDING DECEMBER 31ST, 1889

REPORT.

BAYVIEW ASYLUM, January 1st, 1890.

To the Honorable Board of Trustees:

GENTLEMEN:

We have the honor to present the annual report of the Medical and Surgical Department of the Institution for the year ending December 31, 1889.

We take pleasure in stating that there has been a progressive improvement in this Department during the past year, due largely to the fact that the equipment of the Department has been very considerably increased by the addition of many instruments and other appliances.

The absence of puerperal and almost complete immunity from other septic troubles, attest the improved hygienic condition of the institution.

Better hygienic surroundings, and a more carefully regulated dietary have markedly diminished the diarrhœa, which is always endemic here during the greater portion of the year.

The usual epidemic of dystentery, which in years past has added greatly to the mortality of the institution, has this year been largely avoided by prompt isolation and thorough disinfection.

We respectfully call your attention to the annexed tabular statement for a more detailed account of the cases treated. We would also remind you that this statement does not include a large number of cases treated in the Dispensary and the various chronic wards.

During the past year the mortality has been reduced from 11.2 per cent. to 9 per cent.

The following gentlemen, under whose able direction the work of the Department has been accomplished, compose the visiting staff:

Physicians.	*Surgeons.*
Prof. J. E. Atkinson,	Prof. L. McLane Tiffany,
" Thos. Latimer,	" J. Edwin Michael,
" Geo. H. Rohe,	" C. F. Bevan,
Dr. Jos. T. Smith,	Dr. Randolph Winslow,
" W. J. Jones,	" J. W. Chambers,
" F. C. Bressler,	" W. B. Platt,
" Geo. J. Preston,	" J. H. Branham.
" Henry J. Berkley,	

The Medical Department of the Institution has sustained a great loss in the death of Prof. O. J. Coskery, who has been a member of the visiting staff for many years.

To you, gentlemen of the Board of Trustees, we are indebted for your confidence and support, and we extend to your honorable body our thanks for your constant attention and assistance.

Very respectfully,

FRANKLIN W. HAINS,
FRANK DYER SANGER.

TABULAR STATEMENT NO. 1.

Of cases treated in Bayview Asylum during the year ending Dec. 31, 1889.

Disease.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Abscess, arm	4	4	....	....	....	....
" alveolar	1	1	....	....	....	....
" axillary	7	7	....	....	....	....
" breast	3	2	....	....	....	1
" buccal	2	2	....	....	....	....
" foot	6	6	....	....	....	....
" neck	2	2	....	....	....	....
" peri-rectal	4	4	....	....	....	....
" peri-urethral	6	6	....	....	....	....
" popliteal	1	1	....	....	....	....
" psoas	1	....	1	....	....	....
" scrotum	2	2	....	....	....	....
" sternum	1	1	....	....	....	....
Abscess, vulvo-vaginal glands	1	1	....	....	....	....
Absorption of head of fernur	1	....	....	....	....	1
Adenitis, cervical	1	1	....	....	....	....
Alcoholism, chronic	2	1	1	....	....	....
Amaurosis, tobacco	1	....	1	....	....	....
Anaemia, simple	8	8	....	....	....	....
" symptomatic	1	1	....	....	....	....
Anchylosis, ankle	1	....	1	....	....	....
" knee	1	....	....	....	....	1
Aneurism, aortic	1	....	1	....	....	....
" carotid	2	....	....	2	....	....
Aneurism, innominate	2	....	....	1	....	1

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Aneurism, popliteal	1	1	....	....	....	....
Angina, pectoris	1	....	1	....	....	....
Aphasia	2	....	....	2	....	....
Aphthæ	1	1	....	....	....	....
Arthritis, deformans	1	....	....	1	....	....
Asthma	8	....	8	....	....	....
Atrophy, progressive muscular	1	....	....	....	....	1
Balano-posthitis	2	2	....	....	....	....
Blephoritis marginalis	3	2	1	....	....	....
Bright's disease, acute	10	3	6	....	1	....
" " chronic	24	....	8	3	10	3
Bronchitis, acute	69	69	....	....	....	....
" capilary	2	1	....	....	1	....
" chronic	15	3	10	....	2	....
Bubo	56	52	....	....	....	4
" phagedenic	3	2	1	....	....	....
Burns	10	10	....	....	....	....
Carbuncle	11	11	....	....	....	....
Carcinoma, breast	1	....	....	....	....	1
" cervix uteri	1	....	....	....	1	....
" liver	1	....	....	....	1	....
" stomach	5	....	....	1	4	....
" supra-renal capsule	1	....	....	....	1	....
Carcinoma, tongue	1	....	....	....	1	....
" uterus	2	....	....	....	1	1
Caries metatarsal bone	1	1	....	....	....	....
Cellulitis	17	16	....	....	....	1
Cerebral softening	3	....	....	2	1	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Chancroids	47	47	....	....	....	....
" phagedenic	6	4	1	....	1	....
Cholelithiases	1	....	1	....	....	....
Cholera infantum	1	....	....	....	1	....
Chorea	1	....	....	1	....	....
Cirrhosis liver	3	....	2	....	1	....
Conjunctivitis	19	19	....	....	....	....
" purulent	3	3	....	....	....	....
Coxalgia	1	....	....	1	....	....
Cystitis	15	13	2	....	....	....
Delirium tremens	25	25	....	....	....	....
Dementia	2	....	....	1	....	1
Dermatitis venenata	2	2	....	....	....	....
Diabetes insipidus	1	....	1	....	....	....
" mellitus	1	....	....	....	....	1
Diarrhœa, acute	21	20	....	....	1	....
" chronic	7	2	1	....	4	....
Dislocation femur	1	....	....	1	....	....
" semi-lunar cartilage	1	....	1	....	....	....
" shoulder	1	1	....	....	....	....
Dysentery, acute	14	12	....	....	2	....
" chronic	4	1	1	....	2	....
Dysmenorrhœa	8	3	4	1	....	....
Eclampsia puerperalis	1	....	....	....	1	....
Eczema, acute	12	12	....	....	....	....
" chronic	10	....	7	1	....	2
Elephantiasis, labia minora	1	....	....	1	....	....
Elephantiasis, leg	2	....	1	....	....	1

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Emphysema	11	....	5	....	6	....
Endocervicitis	5	4	1	....	....	....
Enteritis	3	2	....	....	1	....
Epididymitis	10	9	....	....	....	1
Epilepsy	20	....	4	9	....	7
Epithelioma	3	1	1	....	1	....
Erysipelas	11	11	....	....	....	....
" facial	9	7	....	....	2	....
Fever, intermittent	68	62	....	....	....	6
" remittent	1	1	....	....	....	....
" typhoid	11	7	....	....	2	2
Fistula, in ano	4	2	....	1	....	1
" recto vaginal	1	1	....	....	....	....
Fissure, nipples	4	4	....	....	....	....
Fracture, clavicle	7	7	....	....	....	....
" Colles's	1	1	....	....	....	....
" coracoid process	1	1	....	....	....	....
" external malleolus	1	1	....	....	....	....
" femur neck	1	1	....	....	....	....
" fibula	1	1	....	....	....	....
" metacarpal bones	2	2	....	....	....	....
" radius	1	1	....	....	....	....
" ribs	7	6	....	....	....	1
" tibia	1	1	....	....	....	....
Frost bite	7	6	....	....	....	1
Furunculosis	5	5	....	....	....	....
Gangrene, lung	1	....	....	....	1	....
" scrotum	1	1	....	....	....	....
" senile	1	....	....	....	....	1

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Gastritis, simple	9	9	....	....	....	....
" alcoholic	8	8	....	....	....	....
Gonorrhœa	41	38	....	....	....	3
Gout, acute	1	1	....	....	....	...
" chronic	2	....	2	...	...	....
Heart disease	47	....	28	....	12	7
Hemiplegia	13	....	7	2	2	2
Hemorrhoids	8	5	3	....	....	....
Hemorrhage, cerebral	1	....	....	....	1	....
Hernia, femoral	1	....	1	....	....	....
" inguinal	7	3	3	1	....	....
Hydrocele	5	2	3	....	....	....
Hypochondriasis	6	....	....	6	....	....
Hypospadias	1	....	....	....	....	1
Hysteria	17	....	13	2	....	2
Iritis	7	7	....	....	....	....
Keratitis	2	2	....	....	....	....
Laceration, cervix	3	2	1	....	....	....
" perineum	4	4	....	....	....	....
Laryngitis	13	13	....	....	....	....
Lipoma	1	1	....	....	....	....
Lumbago	7	7	....	....	....	....
Malarial Cachexia	15	15	....	....	....	....
Malingerer	10	10	....	....	....	....
Mania, acute	2	....	1	1	....	....
Marasmus	13	13	....	....	....	.. .
Mastitis	6	6	....	....	....	....
Melancholia	4	....	1	2	....	1
Meningitis	1	....	....	....	1	....
" syphilitic	2	....	1	....	1	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Meningitis, tubercular	1	....	....	....	1	....
Metrorrhagia	2	....	2	....	....	....
Myelitis, disseminated	1	....	....	....	....	1
" transverse	3	....	1	1	....	1
Necrosis, femur	1	....	....	....	....	1
" scapula	1	....	....	....	1	....
" tibia	2	1	1	....	....	....
Neuralgia	7	7	....	....	....	....
Neuritis multiple	4	2	2	....	....	....
Neurasthenia	1	....	1	....	....	....
Opium habit	3	....	1	1	1	....
Orchitis	3	3	....	....	....	....
" syphilitic	5	1	4	....	....	....
Otitis media, acute	5	5	....	....	....	....
Oyster arm	3	3	....	....	....	....
" hand	14	13	....	....	....	1
" knee	2	2	....	....	....	....
Pachymeningitis, spinalis	1	....	....	1	....	....
Paralysis, agitans	1	....	....	....	....	1
" arm	1	....	1	....	....	....
" Bell's	3	2	1	....	....	....
" crutch	2	2	....	....	....	....
Paraphimosis	2	1	....	....	....	1
Paraplegia	2	....	1	....	1	....
Paronychia	1	1	....	....	....	....
Parotiditis	4	4	....	....	....	....
" suppurative	1	....	....	....	1	....
Pediculosis	4	4	....	....	....	....
Peritonitis, pelvic	2	1	1	....	....	....
" purulent	1	....	....	....	1	....

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Peritonitis, tubercular	3	....	....	....	2	1
Pharyngitis	4	4	....	....	....	....
Phimosis	12	12	....	....	....	....
Pleurisy, acute	9	8	....	....	1	....
" chronic	3	....	2	....	....	1
Pleuro-pneumonia	1	....	....	....	1	....
Pleuridinia	3	3	....	....	....	....
Pneumonia, catarrhal	7	3	....	....	4	....
" lobar	17	10	....	....	6	1
" septic	2	....	....	....	2	....
Pott's disease	3	....	1	....	2	....
Psoriasis, specific	5	5	....	....	....	....
" vulgaris	2	2	....	....	....	....
Pterygium	2	1	....	1	....	....
Ptyalism	4	4	....	....	....	....
Pyo-pneumothorax	1	....	....	....	1	....
Pyo-thorax	1	....	....	....	1	....
Rheumatism, acute	22	22	....	....	....	....
" sub-acute	13	3	7	....	....	3
" chronic	47	....	40	2	....	5
" gonorrhœal	6	....	4	....	....	2
" syphilitic	10	....	10	....	....	....
Rupture, urethra	1	....	....	1	....	....
Sarcoma	1	....	....	....	....	1
Saturnismus	3	3	....	....	....	....
Scabies	3	3	....	....	....	....
Sciatica	6	2	4	....	....	....
Scleroderma	1	....	....	1	....	....
Sclerosis, cerebro spinal	4	....	....	1	1	2
" lateral	3	....	....	....	1	2

TABULAR STATEMENT No. 1—Continued.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Sclerosis, posterior spinal	3	....	....	2	....	1
Senility	18	....	....	8	10	....
Septicaemia	2	....	....	....	2	....
Sprain, ankle	10	10	....	....	....	....
" wrist	8	8	....	....	....	....
Stricture, nasal duct	1	1	....	....	....	....
" os uteri	1	....	1	....	....	....
" rectum	5	....	3	....	1	1
" urethra	12	4	8	....	....	....
Sycosis, parasitica	3	3	....	....	....	....
Synovitis, acute	1	1	....	....	....	....
" chronic	2	....	1	....	....	1
Syphilis	145	4	123	....	1	17
" cerebral	3	....	3	....	....	....
Tonsillitis	5	5	....	....	....	....
Torti-collis	1	1	....	....	....	....
Tuberculosis	129	....	58	10	48	13
" cervical glands	7	3	3	1	....	....
" tarsal bones	1	1	....	....	....	....
" testicle	2	2	....	....	....	....
Tumors, brain	2	....	....	....	2	....
Ulcer	82	60	8	4	....	10
" corneal	1	1	....	....	....	....
" stomach	1	1	....	....	....	....
Uterus, displacements	9	....	4	3	....	2
" fibroids	4	1	....	2	1	....
" procidentia	4	....	2	1	....	1
" prolapse	1	....	1	....	....	....
" polypus	1	....	....	....	....	1
" subinvolution	2	2	....	....	....	....

TABULAR STATEMENT No. 1—Concluded.

Diseases.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Vaginitis, simple	3	3	....	....	....	....
" specific	2	2	....	....	....	....
Varicocele	3	2	1	....	....	....
Variocella	2	2	....	....	....	....
Varix	6	2	4	....	....	....
Vulvitis	3	3	....	....	....	....
Wounds, contused	15	15	....	....	....	....
" incised	7	7	....	....	....	....
" lacerated	6	6	....	....	....	....
" scalp	16	15	....	....	....	1
Warts, venereal	8	7	....	....	....	1
Zoster, herpes	4	1	....	....	....	3
Total	1805	989	436	84	164	132

TABULAR STATEMENT No. 2.

Of the Surgical Operations performed during Year ending December 31st, 1889.

Operations.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Alexander's operation	1	1	....	....	....	....
Amputations, feet, double	1	1	....	....	....	....
" finger	3	3	....	....	....	....
" leg	1	1	....	....	....	....
" toe	1	1	....	....	....	....
Cataract extraction	1	....	....	....	....	1
Circumcisions	19	16	....	....	....	3
Excisions, cervical glands	2	2	....	....	....	....
" inguinal "	8	8	....	....	....	....
" lipomata	1	1	....	....	....	....
" testicle (tuberculous)	2	2	....	....	....	....
Fistula in ano	2	2	....	....	....	....
" recto-vaginal	1	1	....	....	....	....
Herniotomy	5	5	....	....	....	....
Hysterectomy	1	1	....	....	....	....
Incision of prepuce	7	7	....	....	....	....
Ligation, femoral artery	1	1	....	....	....	....
" veins for varix	2	2	....	....	....	....
Necrosis, femur	1	1	....	....	....	....
" metatarsal bone	1	1	....	....	....	....
" phalanges	2	2	....	....	....	....
" tibia	2	2	....	....	....	....
Oöphorectomy	2	2	....	....	....	....
Paracentesis, abdominis	7	....	7	....	....	....
" scroti	4	2	2	....	....	....

TABULAR STATEMENT No. 2—Concluded.

Operation.	Treated.	Cured.	Relieved.	Unchanged.	Died.	Remaining.
Paracentesis, thoracis	4	1	3	....	....	....
Perineorrhaphy	5	5	....	....	....	....
Stricture, rectum	3	....	2	...	1	....
Stretching, sciatic nerve	2	1	1	....	....	....
Urethrotomy, external	1	1	....	....	....	....
" internal	2	2	....	....	....	....
Total	95	74	16	....	1	3

TABULAR STATEMENT No. 3.

Showing number of Births during the year ending December 31, 1889.

White males	5
White females	3
Black males	5
Black females	5
Total	18

RECAPITULATION.

Remaining in hospital January 1, 1889	162
Total ingress	1,643
	1,805
Total egress	1,673
Remaining in hospital December 31, 1889	132

REPORT

—OF THE—

Resident Physician of City Insane Hospital.

For the Year Ending December 31, 1889.

REPORT.

To the Honorable
Board of Trustees, Bayview Asylum:

GENTLEMEN:

I have the honor to submit the fifth annual report (my second) of the Insane Department, ending December 31st, 1889.

This Department has for the past year been peculiarly fortunate in its freedom from sickness, when we consider the terribly over-crowded condition.

I have had at times, during the heat of summer, 125 White Males on their floor, which has a capacity for not more than 75.

The freedom which the patients have in the yard, of course adds greatly to their general health.

As it is customary, I must refer to the use of seclusion and restraint which have been used a little more in this Institution than is represented in other Asylum Reports—

1st. Because my limited number of attendants compel me.

2d. Because experience has taught me that humane mechanical restraint, in many cases, give a very much better result, with less violence, than an exciting struggle with three or four attendants.

Amusements are still continued as referred to in last report.

The Lunacy Commission has visited the Institution three times during the past year.

In conclusion, gentlemen, allow me to thank you for the interest you have taken in my work in the Insane Department. I wish also to express my sincere appreciation of the kindness of Captain Daniel Constantine, also Dr. William E. Wright, for the valuable assistance rendered me in the care of these patients as my Assistant Physician.

Very respectfully,

Wm. E. Ramsay.

TABLES.

TABLE I.

Form of Mental Disease of those in the Institution during the year 1889.

Mania, acute	26	Emotional insanity	3
" chronic	53	General paresis	6
Monomania	44	Imbecility	32
Mania, epileptic	12	Idiocy	6
" puerperal	1	Hysteria	7
" periodic	18	Alcoholism	7
Melancolia, acute	39	Delirium toxic	3
" chronic	37	Cerebral tumor	2
Dementia, acute	3	Typhoid delirium	1
" terminal	71	Confersional insanity	2
" epileptic	23	Not insane	3
" senile	14	Unclassified	4
" post hemiplegia	3		

TABLE II.

Table showing Monthly Admissions, Discharges, Deaths and Average.

	Admitted.	Discharged.	Died.	Average.
January	11	7	3	292
February	11	5	5	$291\frac{1}{4}$
March	16	8	2	$296\frac{14}{31}$
April	13	7	3	297
May	8	9	....	$302\frac{9}{31}$
June	7	3	1	$299\frac{2}{3}$
July	3	9	3	$300\frac{6}{31}$
August	16	1	1	$300\frac{30}{31}$
September	13	11	4	$307\frac{14}{15}$
October	16	12	1	$309\frac{12}{31}$
November	7	4	2	$308\frac{9}{10}$
December	9	5	5	$300\frac{1}{31}$
	130	82	30	
Yearly average				$306\frac{321}{365}$

Patients in Hospital more than once.

	White Males.	White Females.	Colored Females.	Total.
In Hospital twice	9	5	1	15
" " three times	2	....	....	2

TABLE III.

Cause of death of those who died in Institution during the year.

General paresis	2	Anuensm of aorla	1
Acuts melancholia	2	Septiscaemia	2
Exhaustion from post hemphlegic dementia.	2	Tuberculosis	8
Exhaustion from terminal demeutia	2	Typhoid fever	1
Status epilepticus	2	Cholera morbus	2
Apoplexy	1	Dysentery	2
Cerebral tumor	1	Bright's disease	1
		Unknown	1

TABLE IV—Nativity.

Baltimore	83	Russia	18
Maryland	120	England	3
Virginia	22	Canada	2
Delaware	1	Bohemia	2
Alabama	1	Wales	1
New York	2	Scotland	2
Kentucky	3	Poland	1
Florida	1	New Brunswick	2
North Carolina	2	Switzerland	1
District of Columbia	3	Austria	4
Pennsylvania	10	Norway	1
New Jersey	2	At Sea	1
Germany	92	Italy	2
Ireland	35	Unknown	3

TABLE V.

Period of Residence of Patients who have died.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
One month or less	1	2	....	1	4
Between 1 and 3 months	1	1	1	1	4
" 3 and 6 "	....	2	....	....	2
" 6 and 12 "	2	2	1	1	6
" 1 and 2 years	....	1	4	....	5
" 2 and 4 "	1	1	....	....	2
" 4 and 6 "	1	1	....	1	3
" 6 and 8 "	1	....	....	1	2
Between 10 and 12 years	....	1	....	1	1
" 20 and 22 "	....	....	....	....	1
Total	7	9	6	8	30

TABLE VI.

Time of those Discharged otherwise than by death.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Less than one month.....	14	10	2	1	27
Between 1 and 3 months.....	7	4	....	3	14
" 3 and 6 "	11	8	....	1	20
" 6 and 12 "	8	4	2	....	14
" 1 and 2 years.....	....	3	....	....	3
" 4 and 6 "	....	1	....	....	1
" 8 and 10 "	....	1	....	....	1
" 34 and 36 "	....	1	....	....	1
Total	40	32	4	4	81

TABLE VII.

	White Males.	White Females.	Colored Males.	Colored Females.	Total.
Present December 31, 1888	110	124	19	37	290
Admitted from Baltimore	51	42	6	14	113
Admitted from Mt. Hope	....	2	..	..	2
Transferred from Almshouse	8	5	1	1	15
Total present during year	169	173	26	52	420
Discharged during year	34	24	4	5	67
Transferred to Almshouse	2	5	..	..	7
Eloped	3	....	..	..	3
Eloped on pass	1	3	..	..	4
Died	7	9	6	8	30
In hospital December 31, 1889	122	132	16	39	309

TABLE VIII.

Showing Occupation of those in the Institution during year 1889.

Actress	3	Merchant	1
Actor	1	Milliner	1
Baker	5	Musician	1
Barber	4	Nurse	2
Blacksmith	3	Painter	5
Bookmaker	1	Peddler	7
Bricklayer	3	Pianomaker	1
Brickmaker	2	Plasterer	1
Brass founder	1	Porter	3
Cabinet-maker	1	Prostitute	2
Carpenter	7	Pantryman	1
Cigar-maker	6	Salesman	5
Clerk	5	Saleslady	6
Confectioner	1	Saloonkeeper	2
Cook	15	Sailmaker	2
Currier	1	School teacher	3
Domestic	65	Seamstress	30
Drover	3	Shoemaker	8
Farmer	5	Ship carpenter	1
Fireman	3	Soldier	1
Fruit packer	1	Snuff maker	1
Furrier	3	Stevedore	5
Hackman	1	Student	3
Hair curler	1	Tailor	15
Hod carrier	1	Teamster	5
Hostler	1	Tinner	2
Housewife	28	Upholster	1
Laborer	60	Unknown	13
Laundresse	5	Watchmaker	1
Machinist	5	Nothing	45

ANNUAL REPORT

— OF THE —

HARBOR BOARD

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1889.

Harbor Board of Baltimore,

JANUARY, 1890.

ROBERT C. DAVIDSON, MAYOR,

President ex officio.

JAMES S. WOODSIDE,

Secretary.

WILLIAM H. SKINNER,

EDWARD ROELKEY,

GEORGE W. MOORE,

FIELDER C. SLINGLUFF,

EDWARD J. CODD,

N. H. HUTTON, *Engineer.*

J. H. IRVIN, JR., *Clerk.*

REPORT.

OFFICE OF THE HARBOR BOARD,

BALTIMORE, January, 1890.

To the Honorable the Mayor
and City Council of Baltimore:

GENTLEMEN:

We would respectfully submit the following report of the operations of this Department during the year ending December 31, 1889, as also such recommendations for future operations as the Board considers advisable.

The appropriations for the year 1889 were:

For harbor (including harbor and river improvements, surveys, maintenance and operation of the City tug, and all expenses of general administration and supervision)	$40,000 00
" stone bulkhead in City Dock	6,000 00
" sea-wall at Little Hawkins' Point	3,500 00
" repairs to public wharves	3,000 00
" operation and maintenance of ice-boat	12,000 00
Making a total of	$64,500 00

Of this amount (as is hereinafter shown in detail), there was expended $57,106.15, leaving an unexpended balance of $7,393.85; which, by the operation of the law, reverts to the City treasury.

HARBOR IMPROVEMENT.

An allotment of $10,000 having been made by the Mayor and City Council, in advance of the general appropriation bill, to permit docks along Light street and the City Dock to be cleaned out before the "busy season" commenced; a contract was entered into with the Baltimore Dredging Company for this work on April 19th.

They commenced work on the 25th, and substantially completed their work on June 24th, having removed deposits from all docks on Light street, from the City Dock (or Back Basin), and from Smith's, Frederick street, Long and Union Docks.

They were required, owing to heavy rains of the summer, to re-dredge parts of City Dock in November.

Under this contract, there was excavated and removed 44,751 cubic yards; for which was paid $9,397.71, or at the rate of 21 cents per cubic yard.

Under the general appropriation bill which passed in June, a contract was made with the Baltimore Dredging Company for the necessary dredging in the harbor and channels, and in the Middle Branch (or

Spring Gardens) at prices named in tabular statements hereto appended.

Under this contract there was excavated and removed:

From the harbor and channels....	95,542	cubic yards.
From the Middle Branch.....	16,056	" "
From hard shoal in lower harbor..	3,290	" "
For which they were paid.....		$15,919.80

Which includes a payment for "throwing over" material, outside of contract of $100.

The whole amount of dredging done was 159,639 cubic yards, for which contractors were paid an average price of $15\frac{86}{100}$ cents per yard.

The immediate supervision of dredging and dumping cost $1\frac{1}{4}$ cents per yard.

The results of this work covered an area of 93,179 square yards, or about $19\frac{1}{4}$ acres, and was mainly confined to the removal of annual deposits in the Basin, City Dock, Harbor, Middle Branch and such private docks as were injured by deposits from public sewers or washings from streets, detailed descriptions of which will be found in the Engineer's Report.

The excessive rain-fall of the spring and summer caused large deposits in the City Dock and at the mouth of Harris' Creek, which is the debouch for the new Harford run sewer.

The depth of 27 feet in lower harbor was extended 180 feet northward, from a line joining the B. & O. Pier 32 and the Northern Central Railway Elevator, and the turn in the 24-foot channel leading from Locust Point to Fell's Point was widened 200 feet at its apex or angle.

During May, June and July a re-survey of dredged areas in harbor and Middle Branch was made, which shows an unusual degree of permanence in dredged channels in the Middle Branch, and a slow but steady shoaling in the Basin and Middle Harbor, amounting in many cases to 1½ feet. The 27-foot and the 24-foot channels in main harbor stand well.

SHIP CHANNELS IN THE PATAPSCO.

Under the energetic supervision of Col. Wm. P. Craighill, in charge of the work of Patapsco River Improvement by the National Government, very great improvements have been made to the ship channels leading to this port.

Heretofore pilots have found difficulty in steering safely around the turns, or angles, in the channels, the long deep draught steamships frequenting our port. During the past year these have all been made one thousand feet wide and 27 feet deep; a wide reach, or basin, over a mile long, 300 feet wide and 27 feet deep, has also been excavated on the west side of the channel below Fort McHenry, which not only greatly facilitates the entrance to the main harbor, but serves

also as a safe anchorage for deep draught vessels, delayed, from any cause, in the river.

The ship channels are now 400 feet wide and 27 feet deep, except the upper division (or Fort McHenry channel), which, except at its upper and lower ends, is only 250 feet wide.

Even the greater of these widths is not sufficient for the safe passage of large steamships, and the means of making the whole improvement *at least* 600 feet in width, should be obtained through the action of our Senators and Members in Congress.

The system of lighting the entrance to the harbor, as well as the upper division of ship channels, extending from Fort Carroll to Fort McHenry, requires revision and improvement, and the attention of the National Government should be called to the matter, as one of great importance to our commerce.

WESTERN MARYLAND RAILROAD TERMINAL COMPANY.

This Company having obtained the passage of an Ordinance authorizing the construction by them of a pile-bridge over the Middle Branch of the Patapsco, from Glass House Point to Moale's Point, subject to the approval by this Board of the arrangement of a "draw" for the passage of vessels. it was arranged between the Board and the Terminal Company that the "draw" should be of the pivot type, having two clear openings of 80 feet each, and that on each side

of the draw-span there should be not less than two spans of 50 feet each.

STONE BULKHEAD CITY DOCK.

Owing to legal difficulties as to ownership of water front on the south side of this basin, work on this project was confined to rebuilding a short piece on the north side of the centre pier.

Expenditures on this account were..... $3,125 29
Including a payment on account of Wm. R.
Weaver's contract of 1887 of..... 844 00

SEA WALL AT LITTLE HAWKINS' POINT.

Owing to the high winds and heavy rains of the winter and spring of last year, considerable repairs were found necessary to the slopes, drains and filling at this place.

To prevent a recurrence of the damages by waves, &c., about 800 feet of wall were raised from one to two feet in height; about 400 tons of loose stone was placed as rip-rap at foot of wall; 247 feet of coping were laid in cement, and about 140 cubic yards of stone laid in wall. 459 feet of coping and 60 yards of stone are on hand.

The total expenditures were..... $3,430 36

REPAIRS OF WHARVES.

Fender piles and caps in the City Dock were renewed where decayed. The wooden bulkhead at the end of

causeway at Little Hawkins' Point was rebuilt; caps and fender piles at foot of Montgomery street were renewed; oak fender piles were put in place at Bowly's wharf; slight repairs were made at foot of Broadway and at Light and Pratt streets.

Total expenditures were.....$1,717 53

CITY ICE BOAT.

The steamer *B. C. Latrobe* was not required for ice breaking during the past winter, and was only in service for two public occasions and for the use of the Free Summer Excursion Society, for whom eleven trips to Chesterwood were made, conveying from 12,000 to 15,000 persons.

Repairs were made to forward deck, woodwork of house and wheels; tail-rods were also fixed to the rear faces of pistons to relieve the lower side of the main cylinders from weight of piston.

The expenditures were $9,494.74, of which $2,795.64 was for repairs and $1,000 for expenses of service for free summer society excursions.

Under an Act of Assembly of 1888, and by Joint contribution of the City and State, there has just been completed an iron ice boat, under the control and direction of the Harbor and River Relief Board. This vessel is about the same size and power as the City ice boat, and will doubtless prove a strong additional guarantee against any future blockade of commerce by reason of ice in the river or bay.

In conclusion we would call attention to our recommendation of last year in relation to the repeal of Ordinance No. 44, of 1886. We would also again call attention to the desirability of some action in relation to the removal of a portion of Foley's wharf at Lazaretto.

The Board has to announce, with great regret, the demise during the year of two very valuable members of the Board and public spirited citizens, Mr. John W. McCoy and Capt. Alexander Jones.

FUTURE REQUIREMENTS.

For the proper maintenance of the harbor, channels, and other works coming under the supervision of the Board we recommend, for 1890, the following appropriations:

Harbor, including administration, &c., of all works under the Board		$ 50,000 00
City ice-boat:		
Unexpended balance	$2,505 26	
New appropriation	7,494 74	
		10,000 00
Repairs of wharves:		
Unexpended balance	$1,282 07	
New appropriation	1,217 53	
		2,500 00
Sea wall at Little Hawkins' Point		1,500 00
Making total of		$64,000 00

Of this amount about $13,000 is provided by the State from tax on auction sales, which is given to the city for the improvement of the harbor and river, and for *no other* purpose.

For further details of work done and money expended reference is respectfully requested to the Engineer's Report annexed hereto.

Respectfully submitted,

WM. H. SKINNER,
JAS. S. WOODSIDE,
Committee.

Approved by the Board,

JAS. S. WOODSIDE, *Secretary.*

Engineer's Report.

Statement of Receipts and Disbursements of the Harbor Board of Baltimore for the Year Ending December 31, 1889.

	HARBOR.		ICE-BOAT.		REPAIRS TO WHARVES.		NEW WALL IN CITY DOCK.		BULKHEAD AT LITTLE HAWKINS' POINT.	
Appropriation for work of 1889		$40,000 00		$12,000 00		$3,000 00		$6,000 00		$3,500 00
Expenditures, as follows:										
Advertising	$ 81 30									
Contracts for dredging and repairs at City Dock	25,317 51						$3,037 29			
Fuel	719 50		$ 271 00							
Incidental expenses	361 12		30 00							
Insurance			100 00							
Labor and material for repairs to wharves and bulkhead at Little Hawkins' Point (work done by Harbor Board)					$1,717 53				$3,430 36	
Repairs to tug and ice-boat	776 15		2,795 64							
Salaries and wages	11,940 23		5,904 60				88 00			
Steamboat supplies	142 42		393 50							
Unexpended balances	661 77		2,505 26		1,282 47		2,874 71		69 64	
	$40,000 00	$40,000 00	$12,000 00	$12,000 00	$3,000 00	$3,000 00	$6,000 00	$6,000 00	$3,500 00	$3,500 00

N. H. HUTTON, *Engineer Harbor Board.*

Statement of Contracts Let and Work Done (Dredging, New Wall in City Dock, Repairs to Warves, and Bulkhead at Little Hawkins' Point), During 1889, under Supervision of the Harbor Board.

BY WHOM DONE.	KIND OF WORK.	DATE OF CONTRACT.	PRICES.	WORK DONE.
Baltimore Dredging Company	Dredging	April 22, 1889	21 cents per cubic yard	44,751 cubic yards.
" " "	"	July 9, "	13 " "	95,542 " "
" " "	"	" 9, "	14 " "	16,056 " "
" " "	"	" 9, "	35 " "	3,290 " "
William R. Weaver	Final account	April 23, 1887	$ 844 00	
Ross and Sanford	New Wall in City Dock	As per agreement	1,473 29	Completed.
George F. Nardin	" " "	" "	720 00	
Harbor Board	General repairs to wharves (labor and material)		$1,717 53	"
" "	Bulkhead at Little Hawkins' Point (labor and material)		3,430 36	"

LOCATION OF DREDGING.	APPROXIMATE AREA DREDGED.	DEPTH OF WATER OBTAINED.
Middle Branch	103,500 square feet.	15 feet.
Harbor and channels generally	346,110 " "	19 to 27 "
Back Basin and docks	389,000 " "	14 to 16 "

SUMMARY OF RESULTS.

YEAR.	AREA DREDGED.	AVERAGE DEPTH OF CUTTING.	TOTAL EXCAVATION.
1889	838,610 square ft	5 feet 1½ inches.	159,639 cubic yds.
1876 to 1888 inclusive	31,564,870 "	5 " 2 "	6,038,928 "
Total, 1876 to 1889, inclusive	32,403,480 "	5 " 2 "	6,198,567 "

N. H. HUTTON, *Engineer Harbor Board.*

REPORT.

OFFICE OF ENGINEER OF HARBOR BOARD,

BALTIMORE, January, 1890.

To the President and Members
of the Harbor Board of Baltimore:

GENTLEMEN:

I have the honor to submit the following "report of operations" during the year ending December 31st, 1889; embracing,

Harbor and river improvement.
Stone bulkhead, City Dock.
Sea wall at Little Hawkins' Point.
Repairs of public wharves.
Ice-boat operations and repairs.
General recommendations, &c.

HARBOR AND RIVER IMPROVEMENTS.

The appropriation for this work by the Mayor and City Council was $40,000, to include dredging, operation and mainte- Appropriation

nance of Tug *Baltimore* for harbor police service, ice breaking, &c., and for expenses of the general administration and supervision of all work intrusted to the Harbor Board.

Amount received from State.

In any consideration of the question of the cost to the taxpayers of this City, of harbor improvements, it must be borne in mind that the State furnishes from 12,000 to 13,000 dollars of the amount appropriated for such work by the Mayor and City Council, in the shape of receipts from tax on auction sales, all of which (under $20,000 per annum) are turned over to the City for this purpose, and *for none other.*

Expenditures.

Of this amount of $40,000, as will be seen by the tabular statement of expenditures appended hereto, there was paid to contractors..... $25,317 51
or an average per cubic yard of., 15 $\frac{86}{100}$

There was paid for immediate supervision, &c., of dredging and dumping..... $1,942 37
or an average per cubic yard of. 1¼
The maintenance, operation and repair of Tug *Baltimore*, cost. 6,138 07
or for each working day of the year..... 19 67
The salaries and incidental expenses of office, amounted during the year to..... 5,042 42

The re-survey of harbor cost.....	897 86
The total expenditure on all accounts for "Harbor" was	39,338 23
Leaving an unexpended balance of.....	661 77

Dock work.

In order to facilitate the work of cleaning out the docks along Light street, which had become offensive in warm weather, from street and sewer deposits, the Mayor and City Council, during April, made an allotment of $10,000, in advance of the general appropriation bill, for this purpose, as well as to remove deposits from City Dock (Back Basin), before the commencement of the summer lumber business.

After due advertisement, proposals for the necessary dredging were opened on April 16th, with results as below:

ABSTRACT OF BIDS FOR DREDGING.

Opened April 16, 1889.

BIDDERS.	Back Basin and Docks.
	Per cubic yard.
Canton Dredging Company	21½ cents.
Baltimore Dredging Company..... ..	21 "
L. J. Fobes.....	21 3/16 "

Price.

The Baltimore Dredging Company being the lowest bidders, the contract was awarded them at twenty-one (21) cents per cubic

yard. They commenced operations with two (2) dredging machines on April 25th, and by the 24th June, had substantially completed their contract, though the heavy rains of the summer, rendered it necessary to do some additional dredging in the City Dock during November.

Amount dredged.

Under this contract there was excavated and removed 44,751 cubic yards.

The general appropriation bill having become a law in June, advertisements were issued for proposals for dredging in the harbor and dredged channels in Middle Branch, and for a small amount of hard dredging in lower harbor.

These proposals were opened on June 19, as per abstract below:

ABSTRACT OF BIDS FOR DREDGING.

Opened June 19, 1889.

BIDDERS.	Harbor and Channels.	Spring Gardens.	Hard Bottom.
	Per cubic yard.	Per cubic yard.	Per cubic yard.
C. W. Nelson, Jr.....	10 cts.	10 cts.	37 cts.
W. B. Brooks, Jr.....	14¾ "	15¾ "	37 "
Baltimore Dredging Co..	14 "	15 "	35 "
L. J. Fobes.....	14½ "	16 "	40 "

As none of the bidders had conformed to the details of Ordinance No. 44 of 1886, regulating such proposals, all were rejected, and the work re-advertised, with results as shown below:

Bids rejected, &c.

ABSTRACT OF BIDS FOR DREDGING.

Open July 3d, 1889.

BIDDERS.	Harbor and Channels.	Spring Gardens.	Hard Bottom.
	Per cubic yard.	Per cubic yard.	Per cubic yard.
Baltimore Dredging Co.	13 cts.	14 cts.	35 cts.
L. J. Fobes.....	$13\frac{1}{10}$ "	$14\frac{1}{10}$ "	37 "
Canton Dredging Co ...	$13\frac{3}{4}$ "	$14\frac{3}{4}$ "	40 "

The Baltimore Dredging Company being the lowest bidders, were awarded the contract at their prices (named above). They commenced work on July 10th in the Middle Branch at the head of the Basin, near the mouths of Howard street and Chatsworth run sewer, and removed by July 18th, 16,056 cubic yards of sediment from those sewers, which, strange to say, after the unusual rain-fall of the early spring, was found to be the only part of that section of the harbor requiring re-dredging. Operations were then continued in the main harbor, at localities as named below until November 19th, when their contract was completed, having excavated and removed from—

Baltimore Dredging Co., Contractors.

Work done.

Harbor and channels	95,542 cu. yds.
And of hard bottom (lower harbor)	3,290 "
Middle Branch (Spring Gardens	16,056 "
Back Basin and Docks	44,751 "
Making a total for the season of	159,639 cu. yds.

The results of this work were as below:

Docks.

All the docks along Light street, from Pratt street to Lee street, except between piers 6 and 7, were dredged to hard bottom, over an area of 100,000 sq. ft.

Long Dock, at its head, was dredged to hard bottom, over an area of 10,000 sq. ft.

Smith's Dock, at its head, was dredged to hard bottom, over an area of 5,000 sq. ft.

Frederick Street Dock was dredged to hard bottom, over an area of 25,000 sq. ft.

The mouth of Union Dock was dredged to 19 feet over an area of 24,000 sq. ft.

Mouth of Jones' Falls was dredged to 19 foot depth over an area of 25,000 sq. ft.

Mouth of Harris' Creek was dredged to 16 feet over an area of 85,500 sq. ft.

Back Basin (City dock) was dredged to 16 feet over an area of 200,000 sq. ft.

Foot of Lancaster street was dredged to hard bottom over an area of 5,850 sq. ft.

Foot of Washington street was dredged to hard bottom over an area of 600 sq. ft.

Foot of Chester street was dredged to hard bottom over an area of 3,600 sq. ft.

Mouth of Howard street sewer to mouth of Chatsworth Run dredged to 15 feet over an area of 103,500 sq. ft. Middle Branch.

The depth of 27 feet was carried 180 feet farther up the harbor by four (4) cuts, extending from the 27 foot channel on the Canton side to the 27 foot channel on the Locust Point side, over an area of 23,400 sq. ft. Main harbor.

Off the end of Foley's wharf, a shoal point was removed to 24 feet over an area of 13,500 sq. ft.

Off Atlantic wharves, a hard lump was removed to 19 ft. over an area of 15,660 sq. ft.

A channel 17 ft. deep, 135 ft. wide, was opened from Atlantic wharves to a point opposite Abbott's Rolling Mills, over an area of 162,000 sq. ft.

The angle between 24 and 27 ft. channels, between Locust Point and Fell's Point, was widened 200 ft. at apex, over an area of 8,000 sq. ft.

Along the north side, between Jones' Falls and Union Dock, 19 ft. depth, was re-established over an area of 28,000 sq. ft.

Making a total area dredged over of 838,-610 sq. ft., or about 93,179 sq. yds.

As the total amount dredged was 159,639 cubic yds., the average depth of cutting was $1\frac{71}{100}$ yds., or $5\frac{13}{100}$ ft.

Harbor Surveys.

Between April and June, examinations and surveys were made of Main Harbor and Middle Branch, to determine the condition of the channels and dredged areas. It was found that the Basin and Middle Harbor are slowly shoaling from the 19 feet depth established eight years ago; the average shoaling at present being about $1\frac{1}{2}$ feet.

The 24 feet channels in Middle Harbor and 27 feet channels in Lower Harbor show no marked deterioration in depth.

The dredged channels in Middle Branch stand remarkably well, except immediately opposite the sewers of Howard street and Chatsworth run, below Light street bridge, a very extensive shoaling has occurred in the last ten years, amounting nearly, if not quite, to $2\frac{1}{2}$ feet.

Light street bridge.

It is greatly to be regretted, if a new bridge, (or virtually a new one,) had to be constructed in this vicinity, as is now being done, that it should not have been made to cross from the foot of either Charles or Hanover street to the peninsular between the Main and Middle Branches of the Patapsco, and thence from the north side of this point of land to the south shore of the Main Branch, where it now lands.

This arrangement would have involved no more bridge, would have made no change in the direction or length of travel to or from Anne Arundel county. On the other hand, it would have brought the "draw" at right angles to the channels above the present bridge, and have removed, to a great extent, or entirely, what has been and is a serious obstruction to the development of that portion of the water front, which is above the bridge.

I am informed, however, that the draw is to be moved to the northward, giving better facilities for entering the channels above the bridge.

OPERATIONS OF THE NATIONAL GOVERNMENT.

During the past year under the direction of Col. Wm. P. Craighill, the angles or turns at the intersections of the several

divisions of the ship channels, have been widened to 1,000 feet for a depth of 27 feet. The channels are now 400 feet by 27 feet from the lower end, to a point 1½ miles below Fort Carroll, and generally 250 feet by the same depth, thence to the harbor mouth where they connect with the work of the Harbor Board.

A very valuable addition to the channel improvement was made during the past year by Col. Craighill in the excavation of a basin, or wide reach on the north side of the ship channel just outside Fort McHenry, which enables heavy draught loaded vessels to anchor entirely out of the way of the main ship channel or fairway.

These channels should be made at least 600 feet wide, if it is desired to retain or increase the transatlantic trade at this port.

STONE BULKHEAD CITY DOCK.

For the continuance of this improvement there was appropriated.....$6,000 00
Which included an unexpended balance from 1888 of.....$1,355 86

Owing to unsettled questions having arisen as to the ownership of the water front on the south side of this basin, between the draw-bridge and Caroline street,

work was confined to the rebuilding of about 150 feet linear on the north side of the centre pier.

Expenditures.

On this account there was expended	$2,281	29
And on account of balance due on Weaver's contract of 1887	844	00
Making a total of	$3,125	29
Leaving an unexpeded balance of	$2,874	71

REPAIRS OF WHARVES.

For the several repairs of public wharves there was appropriated	$3,000	00
Of which there was expended as follows	$1,717	53
For rebuilding bulkhead at end of causeway, Little Hawkins' Point	$272	60
For removing old piles and timber at corner of Pratt and Light streets	50	00
For new oak fenders, chocks, irons, &c., at S. W. corner Bowly's wharf	62	14
For sheet piling behind old wooden bulkhead at foot of Broadway	10	59

For renewing portions of caps and fender piles in City Dock..	744 91
For renewing piles and caps, &c., at foot of Montgomery street..	203 29
For general supervision of wharf repairs and wharves.....	374 00
Making, as before, a total of....	$1,717 53
And leaving an unexpended balance of.....	$1,282 47

SEA WALL LITTLE HAWKINS' POINT.

For the continuance and completion of this work of protection to Quarantine Station, there was appropriated $3,500.

This amount should have completed the work, but that the heavy rains of last spring, with the high winds and heavy seas prevailing, caused a considerable expenditure for repairs.

It was also found necessary, in order to prevent a repetition of the damage. to raise nearly 800 feet in length of the wall on the northeast faces, from one to two feet in height.

All the stone, coping, &c., necessary to complete the work, is now on the ground—and the only additional expense now will be for the labor of putting it in place.

During the summer the slopes, filling behind wall, drains, rip-rapping, &c., were overhauled and repaired.

About 400 tons of rip rap stone were distributed along the foot of the sea wall.

One hundred and forty (140) cubic yards of masonry were laid and 247 feet of coping set. Four hundred and fifty-nine feet of coping and 60 cubic yards of wall stone are now on hand ready for use.

The expenditures were as follows:

Stone, cement, &c.	$1,865 79
Labor	1,507 57
Fuel (transportation of men)	57 00
Making a total of	$3,430 36
And leaving an unexpended balance of	$69 64

CITY ICE-BOAT.

For the maintenance and operation of this boat during the past year, an appropriation was made of	$12,000 00

Owing to the mild weather during the winter, the boat was not put in commission for ice breaking purposes. It was used for one or two public occasions, among them the celebration of September 13, 14, &c.,

and on June 13 was put in service for the use of the Free Summer Excursion Society, as required by resolution of the Mayor and City Council.

In this service ten (10) trips for beneficiaries were made, conveying in all from 12,000 to 15,000 people. A preliminary trip was also made for the officers of the society to arrange for their summer business, &c.

It was found necessary and desirable to make considerable repairs and some changes of machinery during the year.

Repairs.

The forward deck was entirely renewed inside of guards.

A new windlass and bits were put in forward.

The outside ends of wheel arms were sheathed with iron, to prevent abrasion by ice.

Tail rods, with guides, &c., were fitted and fixed to pistons and cylinders.

New heaters were put in pilot-house, and minor repairs were made to wood work, boilers, &c.

These repairs cost	$2,795 64
Salaries and wages (of which about $1,000 is due to the use of boat for summer excursions) were	5,904 60
Fuel, oils, paints, supplies, &c., cost	664 50
Insurance and incidentals	130 00
Making a total expenditure of	$9,494 74

Leaving an unexpended balance of 2,505.26.

RECOMMENDATIONS FOR WORK OF 1890.

There should be provided—

For the care and maintenance of the Harbor, Docks, &c., General Administration, Repairs and operation of City Tug, surveys, &c.		$50,000 00
For maintenance and repair of City Ice Boat:		
Unexpended balance.	$2,505 26	
New appropriation..	7,494 74	
		$10,000 00
For repairs of wharves:		
Unexpended balance.	$1,282 47	
New appropriation..	1,217 53	
		$2,500 00
For sea-wall at Little Hawkins' Point		$1,500 00
Making a total of		$64,000 00

Amount brought forward.....	$64,000 00
Of which the unexpended balances are.....	$3,787 73
Leaving new appropriations of.	$60,212 27
Of which the State pays, say ..	$13,000 00

Old sea wall.

I would again renew my recommendation of past years, that $10,000 at least should be appropriated to inaugurate the work of putting in proper condition the old wooden bulkhead at the Marine Hospital known as the "sea wall," it is wretchedly dilapidated and injurious to the navigation of the river.

For details of work done and money expended, reference is requested to the tabular statements appended hereto.

I am happy to state that the agents and employees of the Board under my direction have performed their duties faithfully.

Respectfully,

N. H. HUTTON,

Engineer.

ANNUAL REPORT

— OF THE —

CITY COMMISSIONER,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1889.

REPORT.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 1st, 1890.

To the Honorable the Mayor
and City Council of Baltimore.

GENTLEMEN:

The Annual Report of this Department, with the accompanying reports and tables, for the year ending December 31st, 1889, is herewith submitted.

REPAIRS OF PAVED STREETS.

The general repairing of streets and alleys was begun on 20th April, and was continued until 16th November, when the appropriation for the year was exhausted. The usual number of gangs were employed in this work, viz., twelve, with the addition of the gang for laying flagstones, for the latter part of the time, on account of the small appropriation for flagstones having been exhausted long before the end of the season. The gangs were distributed as usual over all parts of

the City, and, when the excessive rain-fall during the whole year is taken into consideration, their work was well done and has stood very well. Very little repairing was done to streets paved with Belgian blocks, they being generally in good condition. Considerable repair was made to the asphalt pavements around the various markets and around the City Hall. The amount paid for this work was $1,745.00, paid out of the appropriation for repairs of streets.

I beg leave to reiterate my remarks in my last annual report as to the condition of South street, which were as follows: "The condition of South street, from Baltimore street to Lombard street, is so bad that I urgently recommend the paving of it with Belgian blocks. The Asphalt blocks with which it was paved are worn out, and in many places I have been compelled to patch it with Belgian blocks and cobble stones, to keep it in anything like a safe condition for travel." The above remarks apply with greater force to its condition at present.

I repeat my recommendation that the Belgian pavement in Light street, from Pratt street to Lee street, be thoroughly repaired. This would cost not less than five thousand dollars. I also recommend that Light street, from Lee to Montgomery street, be paved with Belgian blocks. The travel over this street is so great that the cobble stones with which it is paved require annual repairs to keep it in anything like good condition.

The Chesapeake and Potomac Telephone Company has excavated trenches in which to lay conduits for their wires in various streets for a distance of 16,000 feet, and I must give it the credit of saying, that the work has been much better done than any similar work heretofore. The filling has been properly done, and the repaving has been of a good character.

By reference to Table "D" a full statement of the work of repairing streets can be seen, and I annex a general statement of the cost of the work, and the materials used:

Amount of appropriation		$70,000 00
Amount expended		69,830 59
Number of sqare feet repaved	2,100,152	
Linear feet of kerbing reset	4,532	
Loads of sand used	23,475	
Perches of stone used	3,057	
Pay of superintendents and laborers		$60,613 00
Cost of materials and tools		9,217 59
		$69,830 59

Cost per square foot of repairing streets $3\frac{325}{1000}$ cts., being about the same rate of cost as in 1888.

REPAIRS OF UNPAVED STREETS.

The limited appropriation for this purpose, viz., $1,300.00, was all expended upon such portions of the unpaved streets in the outlying portions of the City as were most urgently in need of repairs.

SHELLING OF UNPAVED STREETS.

The following streets were shelled during the year in pursuance of appropriations for the purpose :

North avenue, from Pulaski street to Windsor Mill road.
Carroll avenue, from York road to Hoen's gate.
Eastern avenue, from Luzerne street to East City limits.
Loney's lane, from Philadelphia road to Monument street.
Monument street, from Mine Bank lane to Loney's lane.
Maiden's Choice road, from Frederick avenue to Wilkens' avenue.
Franklin road, from Calverton road to Potomac R. R.
Ridgeley, Bayard and Warner streets, are under contract, and the shells are being delivered and spread.

REPAIRS OF BRIDGES.

The following bridges have received attention during the year:

Chase Street Bridge, driveway refloored, sidewalk repaired.
Fayette Street Bridge, new floor on sidewalk.
Lancaster Street Bridge, over Harford Run, new floor.
Bath Street Bridge, new floor to sidewalk.
Centre Street Bridge, new floor to sidewalk.
Hillen Street Bridge, new floor to sidewalk.
Leadenhall Street Bridge, general repairs.
Canton Avenue Bridge, new floor on driveway.

Lombard Street Bridge, new floor on driveway.
Boston Street Bridge, new floor and general repairs.
Eastern Avenue Bridge, general repairs.
Argyle Avenue Bridge, general repairs.
Washington Avenue Bridge, general repairs.
Madison Street Bridge, side timbers renewed.
Fifth Lane and Jackson Street Bridge, general repairs.
Harman's Bridge, which in consequence of the removal of Light Street Bridge, is the only highway from Anne Arundel County to the City of Baltimore, is considerably taxed, and in addition to the usual annual repairs, has been considerably strengthened, and provision has been made to keep it safe until travel is resumed on Light Street Bridge. As to the character of this bridge, I respectfully call attention to my report for the year 1887, pages 40 and 41.
North Avenue Bridge, spanning Jones' Falls, the Maryland Central, and the Northern Central Railways, is a composite bridge, the wood-work of which, while appearing sound on the surface, is much decayed. We have had very palpable evidence of its weakness in the last few days. One of the trusses, 57 feet in length, on the north side at the eastern end, gave way under the pressure of travel and sunk about eight inches. This bridge is 425 feet long and 62 feet wide. I think it very probable that more of the wood-work is in a similar condition. I have not as yet had time to thoroughly examine it, but will do so as soon as possible. This bridge has been in use for twenty years, and I have no doubt that the superstructure will have to be renewed at an early

date, when iron ought to be substituted for wood. The late break has been temporarily repaired, and a new truss, to replace the decayed one, will be put in place as soon as practicable.

CITY DOCK DRAWBRIDGE.

On 1st October, 1889, the pipe which supplied water to the engine which operates the draw at this bridge was broken, and as all travel had to be suspended until the defect was remedied, work was commenced on it without delay. As the appropriation for repairs of bridges had been exhausted previous to this accident, the cost of the work has not been paid, and will require to be appropriated as a "deficiency."

The bills incurred are as follows:

Baltimore Dredging Company, dredging trench for pipe	$150 00
Snowden & Cowman, repairs to pipe, &c	287 93
P. Walsh & Sons, repairs to engine house	198 75
	$636 68

RECONSTRUCTION OF LIGHT STREET BRIDGE.

It was decided not to begin this work until the winter months, as the tides are lower at that time of the year; also the trucking season being over, there would be less interference with the traffic which is very heavy.

On October 21st work was begun with a pile-driving machine and a crew of eight men. 271 piles ranging in length from 15 to 72 feet, have been driven on the west side of the old bridge, being 10 less than the number required to complete the driving from the present draw opening to the south end of the bridge, a distance of 3,410 feet. This work could only be done when the tide was favorable, and it also required a great deal of shifting of the machine on account of the shallow water.

The whole length of the old bridge was 4,542 feet, or 78 feet less than $\frac{1}{8}$ of a mile.

On December 4th the bridge was closed to travel, and the work of tearing up the old structure was commenced with a force of 20 men. Since then the number of workmen has been increased as the work progressed and men could be worked to advantage, until it now numbers 48 men, not including the engineer in charge and his assistants.

Up to and including December 31st, the old bridge has been torn up for a distance of 970 feet, 204 piles under the old structure cut off for a distance of 815 feet. The cutting off can only be done satisfactorily when the water is six inches below mean low tide; this has only occurred for 35 *working hours since December 4th;* new caps put in piles and trestles up for the new bridge for a distance of 672 feet; the joist are being put on trestles, and the lower roadway floor laid for a distance of 349 feet, and the upper floor 289 feet;

a new bulkhead built a little north of the old one at the south end of the bridge on the Anne Arundel county shore, reducing the length of the bridge ten feet.

The roadway of the old bridge was only 18½ feet wide, while that of the new bridge will be 21 feet wide, with the addition of a sidewalk of six feet on the west side.

The work is progressing very rapidly notwithstanding the continued high tides.

Work will be commenced in spring on the foundation for the iron pivot span of this bridge. In the meantime a temporary bridge will be constructed around that portion of the old bridge necessary to be torn up for constructing foundation for new draw, which will permit travel to and from the City during the proposed change of location of old drawbridge.

PAVING OF NEW STREETS.

Table "C," which is annexed to this report, gives the names of streets, lanes and alleys paved during the year, with the names of contractors, the dates when the work was commenced, the date of completion, the prices for paving and the number of square feet paved.

The following streets are now under contract, and will be completed during the year:

Federal street, from Eden to Washington street.
Fulton avenue, from Baker Circle to North avenue.

Oliver street, from Bond to Washington street.

Fulton avenue, from Baker Circle to North avenue, was directed by Ordinance 95, approved 8th June, 1889, to be graded, kerbed and paved five feet wide on each side next to the kerbing. This work has been delayed by the construction of the sewer across Fulton avenue, and very little more of the work can be done until spring.

By Ordinance No. 65, approved 4th May, 1888, I was directed to have Washington avenue, from Putnam street to the bridge over Gwynn's Falls, graded, paved and kerbed. This work has not been commenced for the reason that a new bridge is much needed over the falls, and for the further reason that the present bridge is about seven feet lower than the established grades of the avenue.

By Ordinance No. 105, approved 8th June, 1889, I was directed to have Cathedral street, from Centre street to the asphalt paving south of Mount Vernon Place, paved with Belgian blocks. This was done during the year.

Ordinance No. 113, approved 8th June, 1889, directed that Cathedral street, from the north side of Madison street to the south side of Mount Royal avenue, should be paved with Belgian blocks. The work was commenced 12th August last, and is completed from Richmond to Biddle street. The square between Madison and Richmond street was not paved because it was obstructed by building material during the whole season.

The portion between Biddle street and Mount Royal avenue, cannot be paved until the sewer now being constructed in the bed of the street has been finished.

The Falls road, from Maryland avenue to the Maryland Central Railroad Company's property, was ordered by Ordinance No. 14, approved 16th March, 1889, to be paved with Belgian blocks of such dimensions as should be prescribed by me, on account of the continual use of this road by heavy stone teams from the quarries along the falls; much larger blocks were used than have been heretofore used, and with good results.

Ordinance No. 137, approved 1st July, 1889, directed the repaving with Belgian blocks of Monument street, from Park avenue to Howard street. This work will be started early in the season.

Ordinance No. 19, approved 22d March, 1889, directs that the unpaved portion of Madison avenue, between North avenue and the Park gate, shall be paved with Belgian blocks. The blocks are now on the ground and the grading and paving will be commenced early in the season.

Cathedral street, from Center street to Saratoga street, is to be paved with Belgian blocks, per Ordinance No. 157, approved 23d October, 1889. This will be done during the coming season.

MT. ROYAL AVENUE IMPROVEMENT.

This avenue, which extends from Guilford avenue westerly to Cathedral street, a distance of 2,516 feet,

was begun in the early spring, and is now completed with the exception of the bed of Cathedral street, which it was deemed expedient to be left until the sewer now in course of construction in Cathedral street could be completed. It occupies the bed of Hoffman street, which was widened to 125 feet, 75 feet of which is in driveway with 25 feet of sidewalk on either side. By the construction of sections of sewers and inlets in the cross streets of this avenue, the intersections of all streets and alleys were re-adjusted so as to be free from any gutters across the avenue.

There is decided improvement in this respect noticeably observed especially at the Charles street intersection since its completion. The avenue is paved with cobble stone 12 feet from the curb on either side, and between this paving, gravel was laid to a depth of 13 inches below the surface. There was afterwards fine gravel spread over portions of this, and then rolled by the steam roller from Druid Hill Park, thus forming a smooth and compact surface. New flagging was placed at all crossings. New 6-inch granite curb was laid its entire length, and the curved curb was all cut to true radii.

The opening of this new avenue necessitated the regrading, refilling and repaving of Lovegrove alley and the 10-feet alley between Lovegrove alley and Charles street avenue and north of Mt. Royal avenue, and in connection with this work the yards of several houses fronting on Charles street avenue had to be filled in and the pavements replaced. The change was for the better, as

it carried all the surface drainage to the rear. This avenue was done by contract; Patrick Keelty, contractor. The other improvements were apart from the avenue and were made by the City Commissioner.

The avenue as far as completed is now in good condition and is one of the finest improvements in the northern section of the City.

It will be be necessary during the present year to resurface this avenue with fine gravel and again roll it well with the steam roller, in order to thoroughly solidify it. It will then be the best and main driveway by the way of Eager, Chase, Biddle or Preston streets into Guilford avenue, and from thence to Druid Hill Park. It should also enhance the value of the Bolton property owned by the City, as it opens up a fine view of the same.

PROPOSED NEW SEWERS.

I herewith furnish a list of some of the districts of the City in which sewers are most needed to relieve them from the overflow of storm-water, or for sanitary or other purposes:

An intercepting sewer for the relief of the district drained by the McMechen street and Druid Hill avenue sewer, and for the relief of North avenue west of Mt. Royal avenue.

The McMechen street sewer is an old stone sewer, poorly constructed and entirely inadequate to sustain

the heavy strain put upon it, or to discharge the storm-water from the district it is required to drain, in consequence of which it requires a constant supervision. The intersection of Druid Hill avenue and Laurens street, for some years past, each year has been flooded from the incapacity of the sewer, the water rising sometimes to the height of about three feet in this intersection, flooding cellars, and putting the residents of the neighborhood to great inconvenience and trouble.

On account of the bad arrangement, of the grades of the streets in this section of the district, a basin has been formed into which all the drainage is concentrated.

Should a break occur in this sewer causing it to choke up, and this is liable to happen at any time, the water would have to rise to the height of about seven feet above the intersection, before it could find an outlet to flow over the surface, from the basin of which this intersection is the lowest point.

The plan proposed for the relief of this district, and also for North avenue west of Mt. Royal avenue, in which the volume of water each year is increasing as the streets in the section north of it are opened and built upon, is to construct a sewer by tunnel from Jones' Falls, under the bed of Townsend, John and Mosher streets, Linden avenue and Laurens street, to connect with Druid Hill avenue sewer at the intersection of Druid Hill avenue and Laurens street.

From the intersection of Linden avenue and Laurens

street a lateral sewer should be constructed by tunnel in the beds of Laurens street and Bolton street or Park avenue to North avenue. This lateral sewer should be of a capacity to discharge all the drainage from the section of this district north of North avenue and west of Park avenue.

Sewer for the Relief of Charles Street, north of Lanvale Street.

A sewer should be constructed from Jones' Falls, if possible, through the Northern Central Railroad Company's ground, west of Charles street, to the intersection of Charles and Lanvale streets, and from there northwardly in Charles street to the north of North avenue towards Huntingdon avenue. Charles street even in an average rain is impassable to pedestrians, and during extraordinary rains it has washed over the sidewalks at Charles and Lanvale streets, flooding into the Northern Central Railroad property.

Penn Street Section of Chatsworth Run Sewer.

When Penn street, which is now in process of condemnation, is opened from the intersection of Columbia avenue and Fremont street to Haw street, the sewer should then be constructed in Penn street, from the present sewer in the intersection of Fremont street and Columbia avenue, to connect with the new Penn street sewer near the intersection of Penn and Dover streets.

This improvement would remove the old sewer entirely from under private property and complete the

plans for the relief of those sections of the Chatsworth Run district south of Baltimore street.

Section of Schroeder's Run sewer north of Pratt street and east of Carrollton avenue.

This section of the old Schroeder's Run sewer, from Pratt street to Saratoga street, with the exception of a section in Schroeder street between Baltimore and Lombard streets, is entirely under private property. It is an old stone sewer in a very bad condition, and entirely inadequate to discharge the water of the district.

Arlington avenue should be condemned from Fayette to Lexington street; a sewer should then be constructed from the present Schroeder Run sewer in the intersection of Arlington avenue and Pratt street in the beds of the following named streets: In Pratt to Schroeder street, in Schroeder to Fayette street, in Fayette street to Arlington avenue, in Arlington avenue to Saratoga street, to connect with present sewer in the intersection of Saratoga street and Carrollton avenue. This would remove the sewer entirely from under private property, enhancing its value, and relieving it of a nuisance which should have been removed long since; at the same time relieving the City of the constant trouble and expense which it has been subjected to on account of this sewer.

Northeast Branch of Gwynn's Run Sewer.

The section of this sewer in Franklin and Pulaski streets, from Smallwood street to Edmondson avenue,

should be constructed, as Franklin street west of Payson street, and Pulaski street which has lately been condemned from Baltimore street north to Lafayette avenue, cannot be graded or paved until it is completed.

Sewer for the Relief of Eagle Street, between Fulton Avenue and Monroe Street.

A sewer is needed for the relief of this street from flooding, but until some provision has been made for the City to acquire either by deed or condemnation the beds of some of the streets south of it, nothing can be done in the matter.

IMPROVEMENT OF PARK AT CHARLES AND NORTH AVENUES.

Resolution No. 35, approved March 16, 1889, to improve the Park at the intersection of Charles street and North avenue.

The improvements made in this case were as follows: Setting back the kerbstone at the east end of the Park in North avenue to a line coinciding with the west building line of Charles street, thus adding more than five feet to the former width of the north and south crossing on the west side of Charles street; the substitution of a foot-walk of heavy flagstones seven feet wide from the north to the south side of North avenue in place of the old walk four feet in width, and the planting of a row of granite posts in line with the west kerb of Charles street, and facing the end of the

park, as a protection to pedestrians while crossing North avenue.

Amount appropriated for the above	$300 00
Amount expended	296 38
Balance	$3 62

Gutter-plates were put down during 1889, as follows:

Resolution No. 45, approved April 13th, 1889, to place gutter-plates on the west side of Charles street at the intersection of North avenue. This work was done in connection with the improvement of the park at the same point, and involved the readjustment of the railroad tracks and street pavement, and the general improvement of the intersection at Charles street and North avenue.

Amount of appropriation	$1,400 00
Amount expended	1,377 66
Balance	$22 34

Under the same Resolution, No. 45, gutter-plates were put down on the east side of Burke street, at the intersection of Lancaster street.

Amount of appropriation	$750 00
Amount expended	573 04
Balance	$176 96

Gutter-plates were put down under the general appropriation, as follows:

North and south gutters at the intersection of Hanover street and Fort avenue.

East gutter at the intersection of Collington avenue and Gough street.

Amount of appropriation	$3,000 00
Amount expended on the above	2,058 85
	$941 15
Cost of general repairs to gutter-plates	443 42
Balance	$497 73

Gutter-plates were also put down over the north gutter at the intersection of North avenue and Madison avenue. This was necessary, as part of the work of paving Madison avenue, from North avenue to the Park gate.

Cost of the above $660 24

BELGIAN BLOCK PAVEMENTS.

The ordinances for Belgian block pavements for the year 1889, are as follows:

Ordinance No. 14, approved March 16th, 1889, for paving the Falls road, from the west side of Maryland avenue to the south side of the Maryland Central Railroad Company's property.

Ordinance No. 19, approved March 22d, 1889, for paving all the unpaved portion of Madison avenue from the north side of North avenue to the Park gate.

Ordinance No. 105, approved June 8th, 1889, for repaving Cathedral street, from the north side of Centre street to the asphalt pavement near Monument street.

Ordinance No. 113, approved June 8th, 1889, for repaving Cathedral street, from the north side of Madison street to the south side of Mount Royal avenue.

Ordinance No. 137, approved July 1st, 1889, for repaving Monument street, from the west side of Park avenue to the east side of Howard street.

Ordinance No. 157, approved October 23d, 1889, for repaving Cathedral street, from the north side of Centre street to the north side of Saratoga street.

Contracts were made with the following named parties for the materials required in the construction of Belgian block pavements:

Wm. F. Weller, of Maryland, granite blocks for the Falls road and granite blocks and kerbstones for Cathedral street.

The Woodstock Granite Co., of Maryland, granite blocks and kerbstones for Cathedral street and kerbstones for Madison avenue.

W. E. Cavey, of Maryland, granite blocks for Cathedral street.

The Guilford and Waltersville Granite Co., of Maryland, granite blocks for Madison avenue.

John Harris, of Baltimore, kerbstones and gutter-stones for the Falls road, and gutter-stones for Cathedral street.

James H. Atkinson, of Baltimore, gutter-stones for Madison avenue.

Grading of the Falls road (Ordinance No. 14), was commenced on September 5th, and the paving completed on December 3d.

Work on Cathedral street (Ordinance No. 105), was commenced on August 6th, and completed on August 14th.

Work on Cathedral street (Ordinance No. 113), was commenced at the north side of Richmond street on August 12th, and completed to the south side of Biddle street on November 16th.

The square between Madison and Richmond streets could not be paved, having been obstructed all summer by building materials.

It is necessary to stop this work at Biddle street until the sewer now under construction in Cathedral street has been completed, and sufficient time has been allowed for the settlement of the street bed.

Work on Madison avenue (Ordinance No. 19), was not commenced at once, the City Solicitor having de-

cided that the portion of Madison avenue to be paved was not a public street. Later, the City Solicitor, after further investigation, reversed his former decision, and contracts were made for the necessary materials. Delivery of materials began about the first of October, and it was intended to begin the work early in November. This was prevented by the rains which began about the latter part of October and continued during the whole of November. This work will have to be postponed until the spring of 1890.

Monument street (Ordinance No. 137) and Cathedral street (Ordinance No. 157), will be paved next year.

It will be seen from the above that only a small amount of Belgian block paving was done during the year 1889. This was due to the following causes:

Ordinance No. 19, for repaving Madison avenue, was pronounced invalid, and that decision was not reversed until the work on Cathedral street had been commenced, and as no more than six or seven skilled Belgian block pavers could be found in the City—just sufficient to form one gang, whose services were required exclusively on Cathedral street and later on the Falls road—it was considered inadvisable to break up the beds of Madison avenue and Monument street until the completion of the two streets named.

Ordinance No. 105 and No. 113, providing for repaving two sections of Cathedral street, were passed and signed by the Mayor as late as June 8th.

The time consumed in the passage of these ordinances through the Register's office before reaching this department, in advertising for bids for furnishing materials and in getting materials upon the ground, deferred the commencement of the work until August 6th. The work on Cathedral street was not commenced until 100,000 blocks, one-third of the whole number required, were delivered on the ground. After this first lot of blocks had been laid, many delays of from one day to one week occurred, owing to the want of materials, the contractors frequently finding it impossible to obtain transportation for their blocks. The exceptionally bad weather during the past year also interfered seriously with the progress of the work.

Work on the Falls road could not be commenced until all or nearly all of the materials were at hand. The contract for furnishing blocks for this work required that the whole number of blocks contracted for (57,000), should be delivered by 13th July, 1889. This number was not completed until about the first of November, and was found to be insufficient. This deficiency was made up by procuring blocks wherever they could be obtained. The delays in this case were due partly to the inability of the contractor to furnish the blocks and partly to the difficulty of obtaining shipping facilities.

Ordinance No. 157, for repaving Cathedral street from Centre street to Saratoga street, was passed at the fall session of the Council, and the work will

necessarily have to be deferred until the spring of 1890.

STATEMENT OF QUANTITIES AND COST.

Cathedral street, from Centre street to asphalt pavement near Monument street:

Number of blocks	30,000
Number of square yards of paving, including gutters	$1,078\frac{9}{10}$
Number of feet of new gutter-stones	$463\frac{7}{10}$
Number of square feet of new flagstones	130

Total disbursements on account of same.....$2,693 41

Falls road, from Maryland avenue to Maryland Central Railroad Company's property:

Number of blocks	60,430
Number of feet of new curbstones	$562\frac{2}{3}$
Number of feet of new gutter-stones	$618\frac{7}{12}$
Number of square feet of new flagstones	240

Total disbursements on account of same.....$9,602 57

Detailed statements of the proportion of cost to the City and property holders respectively, in the above two cases, cannot be given at present, the paving warrants not having been completed.

FLAGSTONES LAID IN 1889.

Charged to "Flags and Stepping Stones."

Location.	No. of Rows.
Exeter, near Stiles street	1
Stiles, near High street	1
Chase street and Maryland avenue	1
Potomac and O'Donnell streets	1
Bank and Castle streets	1
Durham and Baltimore streets	1
Forrest, near Hillen street	1
Central avenue and Orleans street	2
Hanover and Perry streets	1
Poppleton and Pierce streets	1
Lexington street and Fremont avenue	1
Poppleton and Hollins streets	1
Sharp and Henrietta streets	2
Myrtle avenue and Dolphin street	1
Dolphin street and Fremont avenue	1
Columbia avenue and Scott street	1
Ramsay street and Parrish alley	1
Little Ross and Howard streets	1
Hanover and Clement streets	1
William and Church streets	1
Exeter and Bank streets	1
Point lane and Oliver street	1
Mill and Pratt streets	1
Carey and Ramsay streets	1
Caroline and Oliver streets	1
Biddle street and Goetz avenue	1
Gay and Oliver streets	1
Hanover and McComas streets	1

Division and Robert streets	1
Monument and Eden streets	1
York road, in Waverly	2
Baker and Carey streets	1
McMechin street and North avenue	1
Saratoga and Carey streets	1
Preston and Holbrook streets	1
South and German streets	1
Broadway, near Eastern avenue	1
Total	40

Amount of appropriation	$2,500 00
Amount expended	2,485 39
Balance	$14 61

Average cost per row ..... $62 13$\frac{475}{1000}$

CONSTRUCTION AND REPAIRS OF SEWERS.

The accompanying report of Mr. Charles P. Kahler, Assistant City Commissioner, who has charge of the construction and repairs of sewers generally, shows in detail our operations during the year. As this work was done with my full approbation, and in pursuance of instructions given, I need say little more than to refer you to the report itself. Mr. Kahler has superintended this large amount of work with intelligence and industry.

A. E. SMYRK, ESQ.,

City Commissioner.

SIR:

I have the honor to submit the following report, showing the location and nature of the work done during the past year on the various sewers, &c., under my charge.

I would state, in commencing this report, that owing to the extraordinary amount of rain which fell during the past year, as shown by the accompanying table furnished from the records of the Signal Office in this City, the progress of the work was considerably retarded:

TABLE SHOWING NUMBER OF DAYS AND VOLUME OF RAINFALL FOR EACH MONTH FOR THE YEAR 1889.

1889.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
No. of days	14	14	18	17	18	16	18	12	19	14	17	12	189
No. of inches	4.22	2.53	5.71	8.70	6.82	6.17	11.03	1.40	4.59	4.12	6.45	0.61	62.35

NEW SEWERS AND INLETS.

The work done in accordance with the ordinances and resolutions of the Mayor and City Council is as follows:

The several sections of sewer along the line of the Northeast Branch of Gwynn's Run.

Fulton Avenue Section.

This section is 543½ feet long, eight feet nine inches in diameter, with a grade of one foot per hundred feet, and is located in the bed of Fulton avenue, between the west side of Baker Circle and east side of Fulton avenue, at Presbury street.

This section of the sewer, with eight inlets at Fulton avenue and Baker Circle, and the iron pipe connections for the inlets at Presbury street, with portions of the man-holes, were completed, making the completion of Fulton avenue to North avenue a possibility within the next year.

There remains to be completed, in connection with this section, two inlets at Presbury street and the topping out and placing the covers on the man-holes.

Amount of appropriation in 1888		$10,000 00
" " 1889		23,500 00
		$33,500 00
Expended in 1888	$ 9,649 04	
" " 1889	17,063 04	
		26,712 08
Balance		$6,787 92

Presbury Street and Bruce Alley Section.

This section begins at the end of the Fulton avenue section in Presbury street at the east side of Fulton avenue, thence easterly in Presbury street to Bruce

alley, and thence northerly in Bruce alley to connect with the section under North avenue. It is eight feet nine inches in diameter in Presbury street, and eight feet in diameter in Bruce alley, and is 775 feet in length.

This section has been completed with all its inlet connections, and there only remains the man-holes to be topped out and the inlets to be built, which cannot be done until the district through which it is constructed is filled up and the streets graded.

Amount of appropriation	$33,500 00
Expended	16,680 59
Balance	$16,819 41

Pulaski Street Section.

This section is being constructed in the bed of Pulaski street, from the north end of the section under Edmondson avenue to the south end of the section under Lanvale street.

It is eleven feet in diameter from Edmondson avenue to the north side of Harlem avenue, and ten feet six inches in diameter from Harlem avenue to Lanvale street, and is 769 feet in length.

The ground through which this section is being constructed, being of a swampy nature, it was necessary to first make a sufficient excavation to drain it. This has been done, and the stone foundation for the sewer has been commenced.

Due care has been taken to construct these sections of sewer of the proper capacity, and in the strongest and most substantial manner, with reference both to the present and future needs of this district of the city. They are circular in shape, built in a cradle of stone, laid in hydraulic cement, and where the soil in the bottom of the trench is of a soft and yielding character, on a timber platform.

The invert to the height of one-fourth of the diameter of the sewer consists of blocks of Port Deposit syenite nine inches deep, laid in Portland cement. The balance of the invert will be of brick, two courses nine inches thick; the arch will be of brick, three courses thirteen and one-half inches thick, backed up with a sufficient weight of stone masonry to prevent its giving way or settling.

Amount of appropriation	$45,000 00
Expended	2,580 61
	$42,419 39

Continuation of Ensor Street Sewer.

This section of sewer was constructed in the bed of Ensor street, from Mott street to the north side of Monument street, a distance of 377 feet. It connects with the Low street extension sewer at the intersection of Mott and Ensor streets. There are four trapped inlets with twenty-inch iron pipe connections, at the northeast and northwest corners of Monument and Ensor streets, and a man-hole at the north side of Monument

street. The sewer is circular in shape, two feet nine inches in diameter, with a grade of two feet and thirty-five one-hundredths per one hundred feet.

The invert to the height of one-fourth of the diameter is of granite blocks nine inches in depth, laid in Portland cement; the balance of the invert and the arch are of brick nine inches thick, laid in hydraulic cement.

The character of excavation, mixed clay and gravel, being such as to dispense with the necessity of a stone cradle foundation, the block invert was laid directly upon the bottom of the excavation in Portland cement.

Amount of appropriation	$5,000 00
Expended	4,982 98
Balance	$17 02

Low Street Sewer.

This section of sewer extends from the intersection of east and Low streets, in the bed of Low street, a distance of 389 feet. It connects with Low street sewer at East street, and has four trapped inlets with twenty-inch pipe connections at the northeast and southeast corners of Forrest and Low streets, with a man-hole in Low street. The sewer is circular in shape, three feet in diameter, with a grade of one and four-tenths feet per one hundred feet, built the same as the Ensor street sewer, without stone cradle, upon good clay and gravel foundation.

Amount of appropriation	$5,500 00
Expended	4,854 58
Balance	$ 645 42

Sewer for the Relief of Maryland avenue, Mount Royal avenue, Cathedral and Preston streets, and Camel alley and the lower end of Dolphin street.

This sewer is being constructed in the beds of Maryland avenue, Oliver, Cathedral and Preston streets, from Jones' Falls to Madison avenue. It will be about 3,660 feet long. About 342 feet in Maryland avenue, from Jones' Falls to within 81 feet of Oliver street, is being constructed by tunnel; the balance, 3,318, by open cut. There is also a lateral branch from this sewer being constructed in Mount Royal avenue and Dolphin street, from Oliver to John street, about 720 feet long. This work was commenced by cutting through twelve feet of solid masonry of the south abutment of Maryland avenue bridge over Jones' Falls. After the construction of the sewer through this masonry, excavation to the south from this point was commenced by tunnel under Maryland avenue. At the same time a shaft was sunk in Maryland avenue, 81 feet north of Oliver street, and the excavation by tunnel to the north commenced to meet the tunnel from Jones' Falls. Of this portion of the sewer, 131 feet of the north end and 92 feet of the south end have been completed, making a total of 223 feet of sewer five feet nine inches in diameter, with a grade of

two and eighty-nine thousandths feet per hundred feet in tunnel. The deepest part of the excavation for the tunnel was thirty-two feet, and the shallowest fourteen feet below the surface of the street, through filled ground, in consequence of which greater care was required in the timbering. At the shaft, pumping is required by day and night, otherwise the tunnel would be flooded. The excavation for the sewer in open-cut was also commenced at the shaft, and the sections in the following streets have been completed: In Maryland avenue, 123 feet 3 inches, five feet nine inches in diameter, with a grade of two and eighty-nine thousandths per hundred feet; in Oliver, street 415 feet, five feet in diameter, with a grade of three and three hundred and seventy-nine thousandths feet per hundred feet; and in Cathedral street 275 feet, five feet six inches in diameter, with a grade of one foot per hundred feet. At the intersection of Oliver and Cathedral streets, a conical section, with a man-hole, has been constructed, 13 feet 7 inches long, circular in shape where it connects with the five-feet section in Oliver street, and elliptical in shape, nine feet six inches wide by six feet four and one-quarter inches high, where it receives the five-feet six-inch section in Cathedral street and the three feet section of the lateral sewer from Dolphin street.

A ledge about 45 feet long of hard rotten rock was encountered in the trench in Oliver street, near Cathedral street. This required blasting, as it would have taken too much time and labor to have wedged it out.

The lateral branch, three feet in diameter, with a grade of three feet per hundred feet, has been constructed, sixteen and one-half feet from its connection with the main sewer in Oliver street, to a cast-iron invert six feet long, above which a shaft of stone masonry is constructed to the height of seven feet. From this point the three-feet lateral sewer, with a grade of three feet per hundred feet, has been completed for the distance of 274 feet in Mount Royal avenue and Dolphin street. A man-hole is constructed over this stone shaft. By the construction of this shaft, seven feet of excavation in the bottom of the trench was saved in Mount Royal avenue and part of Dolphin street.

This sewer is circular in shape, and wherever the character of the soil through which it is constructed is such as to require it, it will be built in a cradle of stone. The invert, to the height of one-quarter of the diameter of the sewer, consists of granite blocks, nine inches deep, laid in the best Portland cement; the balance of the invert is of brick, two courses nine inches thick; the arch is of brick, two courses nine inches thick, all laid in good hydraulic cement.

The completion of this sewer and its lateral branch will furnish relief to a district of the City that has long suffered from being flooded by only an average hard rain, and whenever an extraordinary rain has occurred, considerable damage has been done in it, more especially along the line of Camel alley.

Amount of appropriation	$85,000 00
Expended	21,585 95
Balance	$63,447 38

Eutaw and Fremont Streets Intercepting Sewer.

This sewer is being constructed in the beds of Eutaw and Fremont streets, from the Middle Branch of the Patapsco river to intercept the Chatsworth Run sewer at the intersection of Fremont street and Columbia avenue. It will be about 3,650 feet long, varying in size from twelve feet wide by eight feet high at its mouth, to about seven feet diameter at its head, with a grade of six inches per hundred feet, the size and capacity being entirely dependent on the volume it has to discharge from each section of the district which it is to relieve.

When I first proposed this intercepting sewer in the year 1880, the intention was only to relieve from flooding the section of the Chatsworth Run district between Columbia avenue and Lombard street, but after a careful study of the subject, I found it could be made to accomplish a three-fold purpose, viz: It could be made to discharge all the water from Eutaw street now discharged into the sewer in Howard street, known as the Liberty street sewer, which would relieve the lower section of it to a considerable extent. It would relieve the section of the Chatsworth Run district north of Columbia avenue, which at present has not sufficient outlet for the storm-water, and also the lower section

of the Chatsworth Run district, especially at the foot of Scott street.

About 423 feet in length by from 23 to 33 feet in width of the excavation in Eutaw street north from the river, has been completed, passing under the Baltimore and Ohio Railroad tracks in Ostend street to Locust Point, and across Eutaw street to Camden Station. In both cases these tracks had to be bridged; the excavation being through made ground, had to be carefully timbered.

As the original shore line was formerly about 200 feet north of the present one, at what is now the south side of Ostend street, all the ground between these points has been filled in, necessitating the driving of piles to get a secure foundation on which to construct the sewer.

About two hundred and sixteen piles, averaging 36 feet, have been driven, and some of the sills, 12 by 12 inches square, have been set, on which the flooring, 6 inches thick, is to be laid.

This section of the sewer is to be 12 feet, between two stone abutments, each four feet thick and four feet in height, resting on the timber flooring; the arch will be ellipitical in shape, built of brick, with a rise of 4 feet, and will be backed up with sufficient stone masonry to prevent its giving way or settling. This section of the sewer will be continued until sufficient head room can be gained to make it circular in shape, when it will be continued in that shape to its head.

As a greater portion of the foundation of this section is below mean tide, it was necessary to construct a coffer-dam and keep a steam pump in constant operation.

Numerous difficulties, which were gradually overcome, attended the commencement of the construction of this work. The contracted area in which the work had to be carried on, and the trains constantly passing on the tracks, greatly interfered with the proper prosecution of the work.

Every effort will be made to push this sewer to completion the coming year. The completion of it will furnish a long needed relief to a section that has for many years suffered severely from floods. The City oftentimes having to defend itself against suits for damages to property occasioned by them.

Amount of appropriation	$175,000 00
Expended	9,418 99
Balance	$165,581 01

Jenkins' Run Sewer.

This sewer will extend in the present bed of Jenkins' Run, from the opening in the east wall of Jones' Falls north of Preston street bridge, until it intercepts Carter alley, connecting with the present stone sewer in the bed of Carter alley near the north side of Federal street; it will be about 1,130 feet long.

The lower portion from the falls to the culvert under the Union Railroad tracks, is 15 feet wide between the two stone abutments; these are four feet three inches thick and carried up to the spring of the arch, which is five feet above the centre grade line of the bottom of the sewer.

The excavation was carried down until material of a character sufficiently firm to sustain the foundations for the abutments was found, in some places to the depth of two feet below the grade-line.

The bottom of this sewer is somewhat in the shape of an inverted arch, with a rise of nine inches; it is of blocks of Port Deposit syenite, six inches thick and nine inches in depth, and varying in length from 12 to 18 inches, laid solid in a bed of Portland cement. Where soft material is met with in the bottom, it is removed and the bottom filled with concrete, on which the blocks are laid.

The arch will be of brick with a radius of 7 feet 6 inches, backed up with sufficient masonry to sustain it. 160 feet of the bottom, 165 feet of the foundation, and 94 feet of the abutment on the north side, and 175 feet of the foundation, and 155 feet of the abutment on the south side, have been completed.

It is only by seeing the location that a correct idea can be formed of the difficulties and dangers attending the construction of this sewer. It runs through a narrow, contracted, rocky channel, the greater portion of

which will have to be blasted. The water, in even an average rainfall, rises suddenly and floods over the whole of it, sometimes undoing several days' work.

Amount of appropriation	$58,000 00
Expended	3,676 77
Balance	$54,323 23

Eager Street Sewer.

This sewer begins at Jones' Falls, thirty-six feet south from the Eager street bridge, and is being constructed through the Northern Central Railroad property to the intersection of Eager and Buren streets, thence in Eager to Valley street, in Valley to Chase street, in Chase to Ensor street, and in Ensor to Biddle street; and when completed it will be about 2,958 feet in length. The surface of the street at the intersection of Eager and Buren streets, is 42 feet above the bed of Jones' Falls, and is 163 feet therefrom; and to construct the sewer in the bed of Eager street, from Jones' Falls to this intersection, would have necessitated the cutting through the solid masonry of the east abutment of Eager street bridge, and the two abutments of the east bridge in Eager street, over the Northern Central Railroad tracks; therefore, permission was obtained from the railroad company to construct the sewer through their property south of Eager street from Jones' Falls to the above mentioned intersection.

Commencing at a point 10 feet above the bed of Jones' Falls in the east retaining wall, which was cut

through, a section of sewer four feet in diameter, with a grade of 3 feet per hundred feet was constructed for the distance of forty-two feet three inches, to a cast iron invert, 6 feet long, made to a diameter of four feet, above which a shaft of stone masonry was constructed to a height of four feet three and one-half inches above the bottom of the invert; from this point the sewer was continued of the same size and with the same grade, for the distance of 96 feet 6 inches to a point under the west sidewalk of Buren street, to another cast iron invert, and a stone shaft the same as the last, built to the height of 8 feet above the bottom of the invert; from this point the sewer was still continued of the same size and grade for the distance of 24 feet to another cast iron invert with a stone shaft built above it, the same as the last, to the height of 5 feet 9 inches above the bottom of the invert to a point about 10 feet below the surface of Eager street; above each of these shafts, a man-hole was built to the surface. The necessity for the construction of this portion of the sewer above described in this manner, arose from the fact that for the distance of 162 feet 9 inches, the fall was 22 feet. This was too great for any material except iron to withstand. It is, I believe, original with myself, and is the first time it has been used in connection with sewers. It furnishes a means of getting rid of very heavy grades in sewers, as well as a mode of saving deep excavation for lateral sewers when they have to connect with the main sewers, at a considerable depth below the surface of the ground. It makes no

difference how great the fall may be it will never wear out or give way.

The sewer was then constructed from the above-mentioned stone-shaft in the bed of Eager street, for a distance of 198 feet, passing under the large 24-inch water-main.

The work of constructing this sewer has been slow and tedious, owing to the fact that a portion of it passes through made-ground, which had to be carefully timbered, and under the Northern Central and also the Western Maryland Railroad tracks. These had to be bridged.

A ledge of hard, rotten rock, about 175 feet in length, was also encountered, a considerable portion of which had to be blasted.

Amount of appropriation	$53,300 00
Expended	5,957 15
Balance	$47,342 85

Mount Royal Avenue Sewers and Inlets.

In order to complete Mount Royal avenue, from Guilford avenue to Cathedral street, it was necessary to construct two sections of sewer, and a number of inlets, as follows:

A section of sewer 81 feet long, 2 feet 9 inches in diameter, in Maryland avenue, connecting with the old 4-feet circular sewer in said avenue, with a grade

of one and one-quarter feet per 100 feet, and one corner and one side-inlet in the southwest corner of Mount Royal and Maryland avenues, and one side-inlet in the east side of Maryland avenue, just south of the southeast corner of said avenue, with their connections 20 inches in diameter, and a total length of 107 feet.

The sewer in Charles street, 2 feet 9 inches in diameter, was continued south, in that street, for the distance of one hundred feet across Mount Royal avenue, with a grade of two and one-third feet per one hundred feet.

There were two old cast-iron trapped inlets in what were the northwest and northeast corners of Charles, and what was formerly Hoffman street, but is now Mount Royal avenue, one side-trapped inlet in the east side of Charles street, south of what was the southeast corner of said streets; these had been a source of constant complaint to the department, by reason of the traps not acting properly; they were all removed, and two trapped inlets were constructed, one in the east and the other in the west side of Charles street, at the north side of Mount Royal avenue.

Two improved trapped inlets in the southeast and southwest corners of Mount Royal avenue, and Charles street, and two side-inlets, one in the east and the other in the west side of Charles street, at the south side of Mount Royal avenue. The connections for

these inlets were 20 inches in diameter, and had a total length of 119 feet.

One hundred feet of cast-iron pipe, 20 inches in diameter, was laid in the east side, and one hundred feet in the west side of St. Paul street, across Mount Royal avenue, to the southeast and southwest corners of St. Paul street and Mount Royal avenue, and inlets constructed in both of these corners. Two side inlets were also constructed, one in the east and the other in the west side of St. Paul street, at the north side of Mount Royal avenue. In consequence of several drain pipes emptying into the inlet, connection on the east side, it was necessary to trap that inlet.

One hundred and eighty-one feet of cast iron pipe, 16 inches in diameter, was laid in the east side and 177 in the west side of Calvert street, from the two inlets in the east and west sides of Calvert street, near the south end of Calvert street bridge, to the southeast and southwest corners of Calvert street and Mount Royal avenue, and inlets constructed in both of these corners.

Amount of appropriation	$11,000 00
Expended	10,223 74
Balance	$776 26

The final surveys, plans and specifications are being prepared in this department for the following named sewers, authorized by ordinances of the Mayor and City Council:

Calhoun street relief sewer, from Ramsay street to Patterson avenue.

Eden street sewer, from the City Dock to Eastern avenue.

Jenkins' Run sewer, north of North avenue.

Lovegrove Alley Sewer.

This sewer cannot be constructed until Lovegrove alley, between Adams' alley and First street, which is in process of condemnation has been condemned.

Light Street Sewer.

This sewer which is to be constructed in the bed of Light street, from Light-street wharf to West street, cannot be commenced until the right of way at Light street wharf has been decided upon by the City's law officers.

Bush Street Sewer.

This sewer, which will be constructed in the beds of Bush, Calhoun, Herkimer and Wooster streets, from the Spring Gardens to connect with the Schroeder's Run sewer, at the foot of Carey street, cannot be commenced until the right of way has been secured by the City.

Resolution No. 11, December 7th, 1888, authorized the construction of two inlets on Eager street—one at the southwest corner of that street and Chester street,

and the other at the southwest corner of the same street and Washington street, appropriating $1,000 for the same, to be taken out of the appropriation for the improvement of Harford Run. This work was commenced the latter part of last year, and completed the early part of the present year.

Amount of appropriation	$1,000 00
Expended	815 82
Balance	$184 18

Resolution No. 23, March 12th, 1889, authorized the construction on the west side of Broadway, near Thames street, one trap inlet of the Kahler patent, also to remove the present gutter, and raise the grade of the street on the north side of Thames street, across Broadway; this work was all completed.

Amount of appropriation	$1,100 00
Expended	970 21
Balance	$129 79

The following resolutions of the Mayor and City Council, authorizing the trapping of old inlets, were carrid out as far as circumstances would permit.

Resolution No. 54, of April 20th, 1889: One at the southeast corner of Broadway and Thames street. Two at the northeast corner of Broadway and Lancaster street. One at the northeast corner of Broadway and Thames street.

Amount of appropriation	$1,300 00
Expended	1,205 65
Balance	$94 35

Resolution No. 28, of March 15th, 1889: One at the southeast corner of Lexington and Arch streets. One at the southeast corner of Franklin and Pearl streets.

Amount of appropriation	$975 00
Expended	789 38
Balance	$185 62

Resolution No. 29, of March 15th, 1889: One at the northwest corner of Calhoun and Lanvale streets. One at the northeast corner of Calhoun and Lanvale streets. One at the southeast corner of Calhoun and Lanvale streets. One at the southwest corner of Calhoun and Lanvale streets.

Amount of appropriation	$1,500 00
Expended	1,017 85
Balance	$482 15

Resolution No. 51, of April 17th, 1889, authorizes the trapping of the inlets at the northwest corner of Baltimore and Carey streets, appropriating $300 therefor.

Resolution No. 52, of April 17th, 1889, authorizes the trapping of the inlet in the south side of Franklin street, between Carey and Calhoun streets, appropriating $100 therefor.

The work authorized by these two resolutions was commenced the latter part of the month of December of this year, and will be completed in the early part of the month of January, 1890.

REPAIRS OF SEWERS AND INLETS.

The amount appropriated for this work for the year was less than for many years past, and although it has been remarkable for the great volume of rain that has fallen, and while other cities have suffered severely from the giving way of some of their sewers, no break has occurred to any of the sewers in this City, although some of them are in a dangerous condition.

As a consequence of the limited amount of the appropriation, only the most needed repairs could be done. This required a more careful examination of the sewers, more especially the older ones, so as to see what points needed repairs to prevent accidents.

At the north side of Ridgeley street, where Chatsworth Run passes under the wooden bridge, a bad washout occurred, threatening the whole bed of the street at this point. A strong bulkhead was constructed of heavy timber along the north side of the street, and the street then filled in behind it. This has withstood all the heavy rains of the year.

Chatsworth Run sewer, from its mouth at the foot of Scott street to Saratoga street, for a distance of four thousand one hundred feet in many places was found

to be in a dangerous condition, the mortar being washed out of the joints in the arch. These repairs were just accomplished in time to meet the spring and summer rains.

Druid Hill avenue sewer in Wilson street, from Morris alley to Druid Hill avenue, a distance of 760 feet was put in thorough repair.

In Druid Hill avenue, from Wilson street to North avenue, a distance of 2000 feet, owing either to the lack of proper backing, or else from the bad foundation, the arch had given way at the key, in some places more than half an inch. This has all been repaired.

On the west side of Caroline street, south of Aliceanna street, for about the distance of 75 feet, the stone flags were broken. These were replaced by iron plates.

Various repairs have been done in Schroeder's Run and other sewers, but to a more limited extent.

The location of the repairs done to the various sewers, inlets and drain boxes, is shown in the following tables.

Appropriation	$6,000 00
Expended	5,957 05
Balance	$42 95

Chatsworth Run at Warner-street Bridge.

Chatsworth Run at Ridgeley-street Bridge.

Chatsworth Run sewer, Ostend street to Columbia avenue.

Chatsworth Run sewer, Columbia avenue to Dover street.

Chatsworth Run sewer, Baltimore street to Saratoga street.

Druid Hill avenue sewer in Wilson street, from Morris alley to Druid Hill avenue.

Druid Hill avenue sewer in Druid Hill avenue, from Wilson street to North avenue.

Schroeder's Run sewer, between Raborg and Baltimore streets.

Schroders's Run sewer, between Hollins and Schroeder streets.

Schroeder's Run sewer at Vine street.

Inlet southest corner Central avenue and Union alley.

Inlet southeast corner Lombard and Hanover streets.

Inlet northwest corner Calhoun and Lanvale streets.

Inlet southeast corner Cathedral and Hoffman streets.

Sewer southwest corner Caroline and Aliceanna streets.

Inlet northeast corner Boston and Gwynn streets.

Inlet southwest corner Howard and Lexington streets.

Inlet east side Central avenue, between Gough and Pratt streets.

Inlet northwest corner Bank street and Central ave.

Inlet southwest corner Fawn street and Central ave.

Inlet northwest corner High alley and Central ave.

Inlet southwest corner Mullikin street and Central avenue.

Inlet southeast corner May street and Central ave.

Inlet northeast corner Jefferson and Eden streets.

Inlet southwest corner Saratoga and Calvert streets.

Inlet northwest corner Canton and Central avenue.

Inlet southwest corner Pratt and Hill streets.

Inlet southwest corner Caroline and Madison streets.

Inlet West Falls avenue south of Pratt street.

Sewer McMechen street, between Eutaw Place and Morris alley.

Inlet northeast corner Front and Low streets.

Drain Wilson street and Morris alley.

Sewer Myrtle avenue and Saratoga street.

Inlet Pratt and Light streets.

Sewer Charles and Balderson streets.

Man-hole Chester street, between Eager and Chew streets.

Inlet northeast corner Gay and Harrison streets.

Inlet northeast corner Eager and McKim streets.

Inlet northeast corner Lexington and Arch streets.

Sewer in Lexington street, Park to Howard street.

Inlet southeast corner Biddle and Ann street.

Inlet northeast corner Bond and Abbott streets.

Inlet southeast corner Gough street and Broadway.

Inlet southeast corner Dolphin street and Pennsylvania avenue.

WOODEN SEWER OR DRAIN BOXES.

Location.	Feet.		
	Length.	Width.	Height.
Federal and Lanvale streets, new	160	3	2
Luzerne and Fayette streets, new	52	5	4
Broadway and Oliver street, extended	20	4	3
Caroline and Federal street, extended	16	3	2
Hunter alley at Mount Royal ave., new	120	1⅓	1⅓
Point lane, recovered	40	3	....
Ragle street and Addison alley, recov'd	50	10	....
Federal and Barclay streets, extended	50	3	2
Marshall avenue, new	65	3	2
Washington avenue and Bush street, new	50	2	2
Federal and Wolfe streets, new	100	3	2
Harford avenue and Lanvale sts., repair'd	16	2	1
Federal and Wolfe streets, new	400	3	2
Barclay, near Federal street, repaired	40	3	2
Harlem avenue and Pulaski street, new	32	3	1

REPAIRS UNDER GUTTER COVER.

Bond street and Eastern avenue.
Calvert and Lombard streets.
Hanover and Pratt streets.
Lombard street and Cheapside.
Hanover and Barre streets.
Centre and Calvert streets.
Centre and St. Paul streets.
Light and German streets.
Myrtle avenue.

Green and Fayette streets.
Myrtle avenue and Mosher streets.
Charles street and North avenue.
Lombard and Concord streets.
Carey street and Edmondson avenue.
North avenue.
Gay and Baltimore streets.
Ann and Aliceanna streets.
Centre and Charles streets.
Chester and Aliceanna streets.
Broadway and Oliver street.

WORK NECESSARY TO BE DONE ON REPAIRS OF SEWERS.

I would call your attention to some evils that I spoke of in my last report to you, which are increasing every year, and ask you to again urge upon the Mayor and City Council to provide means to remedy them.

Numerous drain pipes discharge into the stone sewers, as well as into those of brick, which discharge into the stone ones. The bottoms of most of the stone sewers are very rough, preventing a free water carriage of the matter discharged from these drain-pipes. It lodges in the joints of the stone at various points along the inside of the sewers, and remains there generating noxious gases, and only to be removed by the action of a freshet. But few of the inlets being trapped, constant complaint is made by persons living along the line of these sewers of the offensiveness of the gases constantly escaping from them.

To remedy this, the rough stone bottoms should be replaced by smoother ones, laid in such a manner as to give a clear, free water carriage through the sewers.

The old inlets should be replaced by improved trapped ones.

In some locations steam pipes exhaust into the sewers. Laws should be passed prohibiting this, and wherever such is the case their removal should be ordered, as it has been found that heated steam causes the cement in the joints to disintegrate, besides causing the quicker decomposition of the matter deposited in them. In the present condition of some of the sewers, I have found it almost impossible to enter them for inspection, or have the men remain for any length of time in them to do the needed repairs.

More or less repairs will be required in all the old sewers, as there was considerable wear on them during the past year, on account of the great amount of rain which fell.

I would also again call attention to the dangerous condition of the John and Mosher streets sewer, which discharges the water from the McMechen street and Druid Hill avenue sewers. It is about nine hundred and seventy feet long.

The bottom of the brick invert is fast wearing out, holes already being cut in it. It should be replaced by one of stone laid in Portland cement. The difficulty

and expense attending the repairs of this sewer will be considerable from the fact of its being at such a great depth below the surface of the streets, and having a constant flow of water through it, as well as the danger of the sudden rise of the water in time of rain.

In the old Central avenue sewer for the distance of about four hundred and sixty feet north from the point where the Eden street sewer connects with it, at the intersection of Holland street and Central avenue, the bottom is paved with cobble stones and is somewhat lower than the above mentioned connection, in consequence of which all the sediment from the upper section of the Central avenue sewer is deposited in it, forming a cesspool of filth, dangerous to health, requiring constant cleaning out which is a source of complaint from the Health Department.

CHESAPEAKE AND POTOMAC TELEPHONE COMPANY'S CONDUITS FOR THEIR WIRES.

Ordinance No. 41, of May 9th, 1889 of the Mayor and City Council of Baltimore grants permission to the Chesapeake and Potomac Telephone Company, to lay conduits, and construct the necessary man-holes for their wires under the surface of the streets.

As you placed this work under my charge, I would state that up to the present date, the following list will show the number of man-holes constructed, the names of the streets, and the distance they have laid their conduits in them.

Bank lane, from entrance to company's building to St. Paul street..... 68¾ ft.

1 man-hole—

St. Paul street, from Bank lane to Lanvale street..... 6,942 ft.

19 man-holes—

Fayette street, from St. Paul street to Paca street..... 2,473⅓ ft.

8 man-holes—

Paca street, from Fayette street to Lexington street..... 474½ ft.

1 man-hole—

Lexington street, from St. Paul street to North street ..... 805 ft

3 man-holes—

North street, for Lexington street to Bath street..... 1,215 ft.

2 man-holes—

Bath street, from North street to Front street. Front street, from Bath street to company's pole on west side of Front street..... 120¾ ft.

Saratoga street, from St. Paul street to company's pole opposite No. 19 east Saratoga street ..... 72 ft.

Mulberry street, from Hargrove alley to a point near Charles street..... 568¾ ft.

Read street, from St. Paul street to Lovegrove alley..... 215 ft.

Lovegrove alley, from Read street to company's pole on west side Lovegrove alley	206 ft.
Eager street, from St. Paul street to Cathedral street	908¾ ft.
Cathedral street, from Eager street to company's pole on the east side of Cathedral street	343 ft.
Biddle street, from St. Paul street to Hargrove alley	197¾ ft.
Mount Royal avenue, from St. Paul street to Maryland avenue	840 ft.
2 man-holes—	
Maryland avenue, from Mt. Royal avenue to company's pole on west side of Maryland avenue	165½ ft.
	16,037½ ft.

Total number of linear yards.....$5{,}345\frac{83}{100}$.

In concluding my report, I would say, I have neglected nothing in order to carry out, to the best of my ability, the instructions received from you when placed in charge of this work; that whatever plans were made, and work constructed, should be not only with reference to the present, but also to the future needs of the City, and with reference to a general system of sewers; and also that all the work should be done in the best and most substantial manner.

For the principles on which the calculations for the capacity of the sewers were based, I refer to my two last reports to you.

Respectfully submitted,

CHARLES P. KAHLER,

Asst. City Commissioner.

GRADES ESTABLISHED.

1889.

February 5—Eager street, from Cannon to Patapsco street.

February 20—Harlem avenue, from Payson to Pulaski street.

March 7—Lanvale street, from Broadway to Caroline street.

March 19—Johnson street, from Heath to Barney street.

April 12—Federal street, from Broadway to Ann street.

April 12—Falls road, from Maryland avenue to North avenue.

April 16—Oliver street, from Bond street to Broadway.

April 22—Oak street, from Sixth to Eighth street.

April 22—Seventh street, from Oak street to Maryland avenue.

June 17—Appleton street, from Lanvale street to Edmondson avenue.

July 11—Clement street, from William to Light street.

1889.

July 12—Madison avenue, from North avenue to Park gate.

July 15—Federal street, from Caroline street to Broadway.

July 15—Federal street, from Ann to Wolfe street.

July 15—Federal street, from Wolfe to Washington street.

July 16—Ten foot alley east of Patterson Park avenue from Fayette street to Fairmount ave.

July 18—Ten foot alley between Calhoun and Carey streets, from Lanvale to Townsend street.

July 26—Richardson street, from Fort avenue to Clement street.

August 13—Calhoun street, from Cemetery lane to Winchester street.

August 13—Carey street, from Cemetery lane to Winchester street.

September 24—Private alley between Wilkens avenue and Eagle street, from Payson to Monroe street.

October 1—Federal street, from Patterson Park avenue to Cannon street.

October 1—Burke street, from Federal street to Belair avenue.

October 1—Townsend street, from Belair avenue to Mine Bank lane.

1889.

October 1—Lanvale street, from Patterson Park avenue to Mine Bank lane.

October 7—Chestnut avenue, from Third to Fourth avenue.

October 7—Fourth avenue, from Elm to Chestnut ave.

December 6—Pinkney street, from Cross to Stockholm street.

December 27—Oliver street, from Broadway to Washington street.

WORK IN THE "ANNEX."

The report of Mr. Charles A. Hook, Assistant City Commissioner, details the various improvements commenced or completed during the year, of which I will give a short synopsis.

The bridge over Gwynn's Falls, on the line of Wilkens' avenue, which had become so insecure that travel had to be shut off from it 1st of May last, has been put in good condition at a cost of $5,965.34, and will be useful for some years to come.

A new foot-bridge was constructed over Gwynn's Run, at Frederick avenue, at a cost of $277.98.

A new foot-bridge was built over Jones' Falls, at the "Clipper Mills," at a cost of $194.72.

A new foot-bridge over Mill Race, at Union avenue, Woodberry, built at a cost of $105.37.

A "board-walk" has been laid on Edmondson avenue from the end of the paving at the Baltimore and

Potomac Railroad tracks to the Calverton road, a distance of 3,150 feet, at a cost of $586.12.

Garrison Forest lane has been macademized from Frederick avenue to Baltimore and Potomac Railroad, more than a mile in length, and repaired as far as the Calverton road, at a cost of $1,984.11.

Millington avenue, between Frederick and Wilkins avenues, has been repaired and a row of flagging laid, at a cost of $198.11.

The Maiden's Choice road, between Frederick and Wilkins avenue, was shelled at a cost of $157.71.

North avenue was shelled, between Pulaski street and Tenth avenue, a distance of about two miles, at a cost of $$1,943.94.

The following bridges have had the floors renewed or otherwise repaired:

Liberty road bridge.
Two bridges on Beach avenue.
Bridge over Peak's Branch, Franklin road.
Bridge on Morris avenue.
Union avenue bridge, over Jones' Falls.
Bridge over Dead Run, near Franklin road.

Repairs were made to the following streets and roads:

Madison avenue, gravelled from North avenue to Park gate.

Druid Hill avenue, from North avenue to Retreat street.

Woodberry lane.

Union avenue.

Old York road, at Waverly.

Tinges' lane.

The Hillen road.

Chestnut avenue.

Remington avenue.

Jenkins' lane.

Huntingdon avenue.

St. Paul street.

Erdman and Cedar avenues.

Third avenue and Roland avenue.

The amounts expended on the above was $5,774.15.

With the exception of work for which special appropriations were made, our efforts were directed mainly to keep worn out bridges from falling down, and to repairing the worst places in the most frequented thoroughfares, on account of the inadequacy of the appropriation.

The "stone crusher," which did such good service in the year 1888, as is shown by the condition of Edmondson avenue, has been but little used during the present year, only 830 perches having been crushed, all of which was used on Garrison Forrest lane.

The new boundary lines on the north and west of the old City limits ought to be marked by permanently planted stones, instead of the slight sticks which were

stuck in the ground and many of which have disappeared. To do this, a competent corps of engineers ought to be organized to lay down the lines of streets and roads, and to establish grade lines on a general system.

This work, if properly done, would require two or three years to accomplish. Unless it is done (and commenced without delay), endless complications will arise, entailing frequent and costly litigation. Streets are being laid out at the whim or convenience of interested individuals, who are building houses where they please, without regard to the proper grades or lines, and many of them will become pools in standing water when the surrounding streets are built up.

Cedar Avenue Bridge.

By Ordinance No. 43, npproved 9th May, 1889, I was directed to have an iron bridge constructed on the line of Cedar avenue where the same crosses Jones' Falls, the Falls turnpike and the Northern Central Railway, and to make additions to and alterations of the abutments heretofore constructed, according to plans prepared at my instance. The sum of $60,000 was appropriated for this work. After advertising for proposals for the work, as required by the ordinance, the contract for the abutments and coping, and skewback piers and pedestals were awarded to Jones & Thorne, of Baltimore, as follows:

Abutments and coping..... $14 00 per cu. yd.
Skewback piers and pedestals..... 19 50 " "

The contract to be completed on or before 31st March, 1890. The work is now being executed, and is expected to be completed by the time limited in the contract.

On 3d December, 1889, the contract for the iron superstructure was awarded to "The King Iron Bridge Company," of Cleveland, Ohio, the lowest bidders, at $29,553 for the entire work, to be completed on or before 10th June, 1890. The iron is being rolled at the Mill, and weekly reports of tests of the material are received from an inspector appointed by this department.

A. E. Smyrk, Esq., City Commissioner.

DEAR SIR:—I respectfully submit the following report on work entrusted to my care during the past year. At the writing of my last report, I stated that the sewers known under the head of an ordinance of the Mayor and City Council as "The Harford Run Improvement" were nearly completed. In keeping with my statement this large sewer improvement was finished in the early part of this year (1889), and has been doing the work for which it was intended with entire satisfaction. The details of this work have been thoroughly explained in my previous reports, describing the sizes and lengths of each section, the character of materials used, &c., as well as a drawing illustrative (as far as practicable), of the work just as it had been built.

Appropriation		$350,000 00
Expended in the year 1885	$ 4,540 12	
" " " 1886	121,444 50	
" " " 1887	137,674 40	
" " " 1888	65,969 98	
" " " 1889	19,486 07	
Balance	884 93	
		$350,000 00

Patterson Park Sewer.

This is a small sewer, with a diameter of seven feet, connecting with the main Harford run sewer in Patterson Park. Its course from the main sewer is northeast, until it intersects the bed of Lombard street where it was necessary to connect a small sewer with a diameter of four feet. At this point a small chamber was built large enough to embrace both sewers. From this point the main sewer is continued to the east boundary of the park in the bed of Lombard street; the small sewer in the bed of Grove alley to Baltimore street where it joins to the stone culvert. The location of these sewers being in the marsh grounds of Patterson Park, it was necessary to secure the foundation by driving piles. In this work there were driven 703 piles, aggregating 23,076 linear feet. On the piles are nailed 8x10 inches Georgia pine stringers. On the stringers are nailed six-inch Georgia pine lumber, thus tieing the whole structure together, which serves as the foundation for the masonry. On this flooring was built a stone cradle, which is the support of the brick lining and arch.

Length of 7-foot sewer..... 1,025 feet.
" 4 " " ..... 513 "

Work commenced June 10th, completed December 10th, 1889, six months.

Amount of appropriation..... $35,000 00
" expended 33,200 84

Balance..... $ 1,799 16

Patapsco Street Sewer.

This is a small sewer, made necessary by the connection of the Harford run diversion tunnel and the Harford run sewer. It joins into the chamber provided for its entrance at Monument and Patapsco streets, and runs in Patapsco street to the north building line of Monument street.

It is built of brick with a stone bottom, is circular in form and has a diameter of 6 feet. Four (4) inlets are connected with it from Monument street. All the masonry was laid in hydraulic cement.

Work was commenced June 17th, 1889. Work completed September 25th, 1889.

Amount of appropriation..... $3,000 00
Expended..... 2,977 65

Balance..... $22 35

Wolfe Street Sewer.

This sewer is really an extension of the "Northern Extension of the Harford Run Sewer" south in Wolfe

street until it joins to the "Diversion Tunnel" in Eager street.

The object of this sewer is to relieve the low ground along Ann street, between Gay and Eager strects, from floods, which have been frequent in the past, damaging the private property in that locality. Its completion will shorten the traveling distance of the water nearly 500 feet, and the new grades and easy curves gained by the new location will very materially increase its discharging capacity.

This sewer is a circle with a diameter of eight feet, built of hard bricks. Its arches are backed up with spandrel walls of rubble masony laid in cement. 340 feet of this sewer completed, 1,261 feet of this sewer yet to be built.

Amount of appropriation	$38,700 00
Expended	5,643 68
Balance	$33,056 32

Boston Street Bridge.

At the writing of this report nothing but the preliminary arrangements have been done in connection with this work. The plans are all ready. Contracts for the driving of piles and the furnishing of lumber have been made, and it is our intention to prepare the foundation during the low tides of the winter, so that the masonry can be laid in the early spring.

Bridges, Roads, &c., in Annex.

The annual appropriation having been so small for the highways in the Annex, the forces have been principally engaged in trying to keep dangerous bridges in repair and the public roads in a passable condition. The following statement refers to work done by special acts of the Mayor and City Council.

Wilkens Avenue Bridge.

This bridge which had become dangerous to travel, and which was essential to one of the most frequented thoroughfares out of the City, was condemned and closed to travel on the 1st of May, 1889. The attention of the Mayor and City Council being called to the necessity of immediate repair, an ordinance appropriating six thousand dollars was passed, and the work was immediately commenced. The old bridge was gradually decaying and sinking from its own weight. The wooden arches, the upper and lower chords and the flooring and joists were rotten. The tie rods had become useless. In short, the entire bridge was in a generally dilapidated condition. The two westward spans, which cover the Falls proper, were first repaired. These spans were raised from 7 to 10 inches, the old arches were renewed and an auxiliary arch was placed in each of the six chords of the two spans. Parts of each of the upper and lower chords were renewed.

The old centre guard timber which divided the roadway was removed, leaving the driveway one smooth surface from sidewalk to sidewalk. The surface of the

ground under the two easterly spans being above the flood line, it was thought best to support them on trestles. Stone piers were built, upon which the trestles rest. All the rotten ends of timbers were cut off or trimmed as the case needed. The entire length of this present structure is 441 feet. By changing the bed of the stream to its proper course and filling in the low ground a span of 60 feet would in my opining be entirely sufficient.

Amount of appropriation	$6,000 00
Old material sold	117 73
	$6,117 73
Expended	5,965 34
Balance	$152 39

New foot-bridge over Gwynn's Falls, 55 feet long, 5 feet wide. *Completed.*

Appropriation	$300 00
Expended	277 98
Balance	$22 02

New foot-bridge over Jones' Falls, at Clipper Mills, consisting of 3 spans resting on trestles 122 feet long by 5 feet wide. *Completed.*

Appropriation	$200 00
Expended	194 72
Balance	5 28

New foot-bridge over Mill Race Union avenue, 45 feet long 5 feet wide. *Completed.*

Appropriation	$125 00
Expended	105 37
Balance	$19 63

A new foot-walk on Edmondson avenue, from Calverton road to Baltimore & Potomac Railroad, length 3, 150 feet.

Appropriation	$600 00
Expended	586 12
Balance	$13 88

Garrison lane, macadamized from Frederick avenue to Baltimore and Potomac Railroad, and generally repaired from railroad to Calverton road.

Appropriated	$2,000 00
Expended	1,984 11
Balance	$15 89

Millington avenue, partly macadamized, and 60 linear feet of flagging laid.

Appropriation	$200 00
Expended	198 11
Balance	$1 89

Maiden's Choice road, 317 loads of shells.

Appropriation	$200 00
Expended	157 71
Balance	$42 29

North avenue 2,882 loads of shells spread over from Pulaski to Tenth streets.

Appropriation	$2,000 00
Expended in shells and labor.	1,943 94
Balance	$56 06

The superstructure of the following bridges were renewed.

Old Liberty road bridge near Western Maryland Railroad.

Two bridges on Beach avenue.

One over Peck's branch, Franklin street.

And one on Morris avenue.

The following bridges were repaired:

Union avenue bridge, over Jones' Falls.

Bridge over Dead run, near Franklin road, was taken up on trestles, as a precaution against accident. This bridge appears sound, but is not strong enough to carry the heavy traffic of that road. There should be a new bridge built at this point.

The following repairs were made:

Madison avenue graveled from North avenue to the Park gate.

Druid Hill avenue, from North avenue to Retreat street. Paved 60 feet of gutter on Woodberry lane.

Union avenue and Woodberry lane generally repaired with stone.

Park Heights avenue Macadamized for a distance of 200 feet, besides many other little needed jobs done.

New bridge over small stream Old York road.

New inlet and 50 feet of 10-inch terra cotta pipe laid across Old York road at Waverly.

Drains were opened on Tinges' lane, Hillen road, Chestnut avenue, Remington avenue, Jenkins lane, Huntingdon avenue, St. Paul street, Erdman avenue, Cedar avenue, Third avenue, Roland avenue, etc.

A small new foot bridge was placed on Gorsuch avenue in Waverly.

Amount of appropriation	$9,625	80
Deficiencies paid, expended in 1888	3,776	80
Amount available for 1889	$5,850	00
Amount expended	5,774	15
Balance	75	85

CHAS. A. HOOK,

Assistant City Commissioner.

In submitting this my fourth annual report of this department, I think it no more than proper that I should give testimony to the industry and intelligence of the various employees during the year.

A. E. SYMRK,

City Commissioner.

TABLES.

TABLE A.

Showing the Amounts of Appropriations and the Balances due on the several Appropriations for the year ending December 31, 1889.

Accounts.		Appropriations.	Amounts Paid.	Amounts Undrawn.
Repairs of sewers and inlets	$ 6,000 00			
Paid Register	3,647 69			
		$ 9,647 69	$ 5,957 05	$ 3,690 64
Flag and stepping stones		2,500 00	2,487 59	12 41
Repairs of paved streets	$70,000 00			
Paid Register	1,323 59			
		71,323 59	69,830 59	1,493 00
Repairs of bridges	$4,673 79			
Paid Register	12 50			
		4,686 29	4,671 59	14 70
Paving and repaving in front of City property		700 00	658 54	41 46
Repairs of unpaved streets		1,300 00	1,297 21	2 79
Salaries		9,000 00	8,963 71	36 29
Livery		1,000 00	992 33	7 67
Incidentals		100 00	74 27	25 73
Paving and repaving of "cross streets"		13,203 91	13,081 51	122 40
Paving new streets		69,057 30	69,057 30	

Improvement of Harford Run.....$18,670 08 Trapping inlets Eager and Chester streets, Resolution 11 of 1888.... 1,000 00	$19,670 08	$19,485 90	$184 18
Improvements of Jones' Falls.....$60,713 17 Paid Register..... 237 50	60,950 67	60,950 67	
Iron gutter plates.....$ 3,000 00 Paid Register..... 14 36	3,014 36	2,502 27	512 09
Light street bridge.....$ 6,220 17 Paid Register..... 61 15	6,281 32	6,214 67	66 65
Calvert street bridge, maintenance of floor....	536 05	536 05	
St. Paul street bridge, maintenance of floor...	946 27	946 27	
Board walk, Edmondson avenue, Resolution 131, of 1889.....	600 00	586 12	13 88
North avenue, from Harford avenue to Greenmount avenue, Resolution 3, of 1889, to gravel.....	400 00	386 35	13 65
North avenue, from Pulaski street to Windsor Mill road to shell, Resolution 127, of 1889.	2,000 00	1,943 94	56 06
Amounts carried forward.....	$276,917 53	$270,623 93	$6,293 60

TABLE A—Continued.

ACCOUNTS.	APPROPRIATIONS.	AMOUNTS PAID.	AMOUNTS UNDRAWN.
Amounts brought forward	$276,917 53	$270,623 93	$6,293 60
Foot bridge Union avenue, Resolution 84, of 1889, Annex	125 00	105 37	19 63
Carroll ave., to shell, Res. 83, of 1889, Annex.	150 00	149 69	31
Ridgely, Bayard and Warner streets, to shell, Resolution 5, of 1889	1,000 00		1,000 00
Trapping inlets Calhoun street, &c., Resolution 29, of 1889	1,500 00	1,017 85	482 15
Sewer in Fulton avenue, from Baker Circle to Presbury street, Ordinance 15, of 1889	23,500 00	17,063 04	6,436 95
Paving Mount Royal avenue, from North to Dolphin street, Ordinance 99, of 1888	5,931 01	5,931 01	
Foot bridge, Nanticoke street, Resolution 19, of 1889, Annex	75 00	34 72	40 28
Sewers and inlets, Mount Royal avenue, Ordinance 12, of 1889	11,000 00	10,223 74	776 26
Madison avenue, from North avenue to Park gate, Ordinance 19, of 1889, paving with Belgian blocks	5,942 36	5,942 36	

The Falls road, from Maryland avenue to Md. C. R. R., Ordinance 125, of 1886, and 14, of 1889, paving with Belgian blocks	9,602 57	9,602 57	
Foot bridge over Gwynn's run, Resolution 2, of 1889, Annex	300 00	227 98	72 02
Foot bridge at Clipper Factory, Resolution 20, of 1889, Annex	200 00	194 72	5 28
Eastern avenue, to shell, Resolution 44, of 1889.	500 00	499 73	27
Loney's lane, " " 50, "	500 00	492 94	7 06
Inlets, Broadway and Thames street, to trap, Resolution 23, of 1889	1,100 00	970 21	129 79
Inlets south Broadway, to trap, Resolution 54, of 1889	1,300 00	1,205 64	94 36
Sewer in Maryland avenue, Preston street, &c., Ordinance 11, of 1889. $85,000 00			
Paid Register 33 33		21,585 95	63,447 38
	85,033 33		
Sewer in Ensor street, from Mott to Monument street, Ordinance 26, of 1889	5,000 00	4,982 98	17 02
Gutter-plates, Charles street and North avenue, Resolution 45, of 1889	1,400 00	1,377 66	22 34
Central avenue sewer, deficiency 1888	330 43	330 43	
Amounts carried forward	$431,407 23	$352,562 52	$78,844 71

TABLE A—Continued.

ACCOUNTS.		APPROPRIATIONS.	AMOUNTS PAID.	AMOUNTS UNDRAWN.
Amounts brought forward		$431,407 23	$352,562 52	$78,844 71
Improving Park, Charles street and North avenue, Resolution 35, of 1889		300 00	296 38	3 62
Sewer in Patapsco street, Ordinance 79, of 1889	$ 3,000 00			
Paid Register	2 00			
		3,002 00	2,979 65	22 35
Patterson Park sewer, Ordinance 79, of 1889		35,000 00	33,200 84	1,799 16
Franklin road, shelling, Resolution 22, of 1889, Annex		500 00	477 16	22 84
Wilkens avenue bridge, repairing, Ordinance 125, of 1889, Annex	$ 6,000 00			
Paid Register	117 73			
		6,117 73	5,965 34	152 39
Repaving Cathedral street, from Centre street to Mt. Vernon Place, Ordinance 105, of 1889, Belgian blocks	$2,693 41			
Paid Register	3 60			
		2,697 01	2,693 41	3 60

Repaving Cathedral street, from Madison street to Mt. Royal avenue, Ordinance 113, of 1889, Belgian blocks $20,429 85			
Paid Register 65 00			
	20,494 85	20,429 85	65 00
Cedar avenue bridge, building Ordinance 43, of 1889, Annex	60,000 00	682 07	59,317 93
Bridge over Harris' Creek at Boston street, Ordinance 79, of 1889	50,000 00	132 57	49,867 43
Sewer in Presbury street and Bruce alley, Ordinance 97, of 1889	33,500 00	16,680 59	16,819 41
Sewer in Eutaw and Fremont streets, Ordinance 124, of 1889	175,000 00	9,418 99	165,581 01
Sewer in Eager, Chase, Valley and Ensor streets, Ordinance 123, of 1889	53,300 00	5,957 15	47,342 85
Garrison Forrest lane, to macadamize, Resolution 130, of 1889, Annex	2,000 00	1,984 11	15 89
Sewer in Wolfe and Eager sts., Ord. 79, of 1889.	38,700 00	5,643 68	33,056 32
Sewer in Pulaski street, Ordinance 146, of 1889	45,000 00	2,580 61	42,419 39
Sewer in Low street, Ordinance 108, of 1889..	5,500 00	4,854 58	645 42
Sewer in Jenkins run and Carter alley, Ordinance 118, of 1889	58,000 00	3,676 77	54,323 23
Amounts carried forward	$1,020,518 82	$470,216 27	$550,302 55

TABLE A—Concluded.

ACCOUNTS.	APPROPRIATIONS.	AMOUNTS PAID.	AMOUNTS UNDRAWN.
Amounts brought forward	$1,020,518 82	$470,216 27	$550,302 55
Trapping inlets Lexington and other streets, Resolution 28, of 1889	975 00	789 38	165 62
Kerbing Fulton avenue, deficiency 1888	963 27	963 27	
Millington avenue, to repair, Resolution 158, of 1889	200 00	198 11	1 89
Maiden's Choice road, to shell, Resolution 85, of 1889	200 00	157 71	42 29
Monument street, to repave, Ordinance 137, of 1889	91 01	91 01	
Repairing streets, &c., in Annex	8,676 80	8,608 09	68 71
Repairing streets, &c., in Annex, Resolution 4, of 1889	950 00	946 86	3 14
Salaries in Annex	166 66	166 66	
Gutter-plates, Lancaster and Burke streets, Resolution 45, of 1889	750 00	573 04	176 96
Light street bridge, to rebuild	80,000 00	7,375 22	72,624 78
	$1,113,491 56	$490,085 62	$623,405 94

TABLE B.

Showing the amounts required for the City Commissioner's Department, for the year ending 31st December, 1890.

ON WHAT ACCOUNT.	AMOUNTS.
Repairs of sewers and inlets	$10,000 00
" bridges	6,000 00
" paved streets	80,000 00
" unpaved streets	2,000 00
Flag and stepping stones	10,000 00
Paving and repaving in front of City property	1,000 00
*Paving and repaving "Cross streets"	25,000 00
Salaries	9,000 00
Livery	1,000 00
Incidentals	100 00
Maintenance of floor of St. Paul street bridge	946 27
Maintenance of floor of Calvert street bridge	536 05
Maintenance of floor of Biddle street bridge	259 68
Repairs of streets, roads, bridges, &c., in "The Annex"	25,000 00
	$170,842 00

*$15,500 are actually due now.

TABLE C.

Statement of Streets, Lanes and Alleys paved for the year ending December 31, 1889.

NAMES OF STREETS.	CONTRACTORS' NAMES.	NO. OF SQ. FT.	PRICE PER SQ FOOT.	DATE OF CONTRACT.	DATE OF ACCEPTANCE.
Wolfe street, from Belair avenue to North avenue	P. Reddington	85,976	5 cents.	Sept. 1, 1887.	Jan. 15, 1889.
Cannon street, from North avenue to Oliver street	J. P. McGovern	92,212	6 "	May 12, 1888.	Jan. 25, "
Washington avenue, from Bush to Putnam street	Morgan & Bresnan	78,354	5½ "	Sept. 13, 1888.	Sept. 9, "
Harlem avenue, from Fulton avenue to Kirby's lane	George Utterbaugh	4,946	5 "	Mar. 25, 1889	Sept. 20, "
Mount Royal avenue, from North to Dolphin street	Patrick Keelty	60,367	5½ "	Oct. 27, 1888.	Oct. 1, "
Re-kerbing Fulton avenue, from Presstman street to Baker Circle	Morgan & Bresnan	3,552	2¾ "	Oct. 1, 1889.	Oct. 10, "
Gold street, from Division street to Druid Hill avenue	Thos. F. Locke	9,637	5 "	Aug. 14, 1889.	Oct. 15, "
Federal street, from Cannon street to eastern city limits	P. Reddington	104,520	6 "	Feb. 2, 1889.	Dec. 31, "
Monroe street, from Baltimore to Winchester street	David Leonard	197,280	5 "	Oct. 13, 1888	Dec. 17, "
East street, from portion now paved to Low street	J. P. McGovern	10,080	6 "	Aug 14, 1889	Dec. 12, "
Clement street, from William to Light street	Patrick Keelty	18,010	6 "	Aug. 10, 1889.	Dec. 24, "
Clement street, from Charles to Hanover street	M. O'Neill	11,597	6 "	Aug. 10, 1889.	Nov. 15, "

Private alley rear of Patterson Park avenue, between Fayette street and Fairmount avenue	Thos. F. Locke	3,100	7	"	Sept. 27, 1889.	Nov. 8,	"
Private alley between Wilkens avenue and Eagle street, from Payson to Monroe street	M. O'Neill	2,420	6	"	Nov. 8, 1889.	Nov. 15,	"
Federal street, from Aisquith to Holbrook street	P. Reddington	4,920	Private con't.		Mar. 23, 1889	April 23,	"
Appleton street, from Harlem avenue to Lanvale street	J. P. McGovern	10,272	"		June 28, 1889.	Dec. 3,	"
Oliver street, from Caroline to Dallas street	Pinning Bros.	5,423	"		April 27, 1889.	July 26,	"
Carey street, from Cemetery lane to Winchester street	Morgan & Bresnan	20,000	"		Sept. 30, 1889.	Dec. 31,	"
Stockton alley, from Cemetery lane to Winchester street	Morgan & Bresnan	6,000	"		Sept. 30, 1889	Dec. 31,	"
Harlem avenue, from Kirby's lane to Pulaski street	J. P. McGovern	50,600	"		Mar. 25, 1889.	Oct. 14,	"
		779,266					

TABLE D.

Showing the Quantity of Repairs done and materials used on the Streets and Alleys during the year 1889.

STREETS.	AREA IN SQ. FEET.	LOADS OF SAND.	PERCHES OF STONE.	LINEAR FEET KERB RESET.
Arlington avenue	2,643	31	1	.....
Amity street	724	7	.....	20
Aliceanna street	29,020	222	35	.....
Arch street	8,605	104	23	.....
Aisquith street	4,653	64	14	.....
Albemarle street	614	6	½	18
Ann street	27,339	334	69	.....
Baltimore street	45,882	568	66	333
Belt street	8,066	108	6½	.....
Barnet street	143	1	½	.....
Bird street	465	4	1	.....
Bolton street	190	.....	1	20
Broadway	8,077	171	28½	20
Bentalou street	610	5	½	.....
Bethel street	4,621	41	17½	.....
Buren street	998	11	¼	.....
Barclay street	1,260	15	10	.....
Biddle street	29,626	488	67¼	.....
Baker street	16,475	252	18	.....
Bond street	9,682	191	24½	.....
Barre street	4,860	61	17	.....
Battery avenue	7,038	102	27	.....
Buchanan's wharf	11,690	185	27	.....
Bruce street	7,414	86	5½	.....
Booth street	5,458	52	5	.....
Amts. carried forward.	236,153	3,109	465½	411

TABLE D—Continued.

STREETS.	AREA IN SQ. FEET.	LOADS OF SAND.	PERCHES OF STONE.	LINEAR FEET KERB RESET.
Amts. brought forward.	236,153	3,109	465½	411
Brune street	4,380	29	1¾	.....
Burke street	6,214	91	14	.....
Bank street	30,100	402	47	186
Block street	273	2	1	.....
Chester street	3,769	57	4½	.....
Clay street	1,020	10	2	.....
Chestnut street	7,745	63	18¼	.....
Colvin place	380	3	1	.....
Calvert street	6,931	95	16¼	.....
Castle street	1,400	15	3	78
Cathedral street	2,016	20	3	20
Chapel street	14,110	180	22	148
Chase street	383	3	1	.....
Canton avenue	26,469	266	35½	123
Central avenue	4,631	107	18	30
Cheapside	6,750	152	5½	.....
Collington avenue	493	5	1	.....
Carlton street	5,865	80	3	.....
Cross street	5,778	65	16	.....
Clinton avenue	21,782	341	33	10
Clark street	2,400	26	1½	.....
Centre street	9,127	105	9¼	150
Courtland street	2,230	28	4	.....
Charles street	1,995	18	1	75
Chew street	31,997	339	43	.....
Clement street	1,248	9	1	.....
Amts. carried forward.	435,639	5,620	770½	1,231

TABLE D—Continued.

STREETS.	AREA IN SQ. FEET.	LOADS OF SAND.	PERCHES OF STONE.	LINEAR FEET KERB RESET.
Amts. brought forward	435,639	5,620	770½	1,231
Commerce street	3,355	32	3	.....
Cable street	1,730	18	1	.....
Cole street	6,290	46	2¼	.....
Calhoun street	23,242	280	21	.....
Caroline street	30,631	366	34½	198
Camden street	1,427	7	¾	.....
Conway street	1,967	20	3	90
Covington street	3,108	24	2	.....
Division street	128	1	.....	.....
Durham street	10,040	207	8	100
Druid Hill avenue	547	8	1	.....
Diamond street	10,154	168	10¾	215
Davis street	20,081	243	24¼	.....
Dolphin street	4,698	41	3	.....
Eager street	8,678	169	14	.....
Etting street	2,945	30	2	.....
Eutaw street	36,470	372	34½	.....
Edward street	1,363	12	1	.....
Edmondson avenue	13,145	188	26¾	.....
Eastern avenue	39,520	476	57½	40
Ensor street	28,986	349	24	.....
Exeter street	8,363	127	15½	.....
Eden street	740	9	1	.....
Front street	30,606	306	51	.....
Fulton avenue	13,075	183	25	.....
Frederick street	3,205	25	4	.....
Amts. carried forward.	740,133	9,327	1,141¼	1,874

TABLE D—Continued.

Streets.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Amts. brought forward	740,133	9,327	1,141¼	1,874
Fairmount avenue	1,028	16	2	150
Franklin street	6,717	55	6¼	.....
Fayette street	28,157	331	81	23
Fort avenue	4,872	38	3	.....
Fremont street	26,075	369	39¾	.....
Forrest street	22,133	209	41	.....
Frederick avenue	7,804	62	1	.....
Granby street	42	1	.....	.....
Gough street	5,385	38	18	.....
German street	16,462	146	28¼	.....
Garrett street	6,450	109	16	.....
Greenmount avenue	5,259	105	10¼	88
Gay street	1,904	24	1½	.....
Greenwillow street	1,170	10	1	.....
Grant street	157	1	½	.....
Greene street	1,225	3	2	.....
Gilmor street	30,173	398	39½	.....
George street	34,158	454	64½	188
Hillen street	5,570	48	14	.....
Holland street	1,575	15	2	.....
Harlem avenue	8,633	77	5	30
Harford avenue	18,116	196	30	.....
Holbrook street	10,170	114	28	.....
Holllins street	520	6	½	.....
Hull street	16,630	122	24	.....
High street	19,196	179	32½	.....
Amts. carried forward.	1,019,714	12,453	1,632¾	2,353

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Amts. brought forward	1,019,714	12,453	1,632¾	2,353
Hanover street	670	14	.....	.....
Hillman street	2,415	22	1	.....
Harrison street	13,575	154	23½	.....
Holliday street	19,200	167	29½	.....
Hill street	41,787	325	82	47
Howard street	4,848	46	2½	.....
Hoffman street	14,600	259	15	.....
Hughes street	1,120	10	1	.....
Henrietta street	4,507	35	6	143
Johnson street	11,015	91	18	122
Jefferson street	8,298	90	14	.....
Jasper street	12,940	73	6	74
Josephine street	2,590	19	4	.....
Lexington street	20,175	273	20	.....
Laurens street	2,835	32	4½	50
Lemon street	4,462	29	2	.....
Lanvale street	41,705	459	31½	.....
Light street	8,799	54	14¾	.....
Low street	2,795	29	2	.....
Lombard street	9,689	85	19	.....
Lancaster street	356	3	.....	.....
Leadenhall street	1,464	12	2	.....
Latrobe street	1,550	16	.....	.....
McCulloh street	27,743	357	35	.....
Mullikin street	4,125	44	5	.....
May street	120	4	1	.....
Amts. carried forward	1,283,097	15,155	1,972	2,789

TABLE D—Continued.

STREETS.	AREA IN SQ. FEET.	LOADS OF SAND.	PERCHES OF STONE.	LINEAR FEET KERB RESET.
Amts. brought forward	1,283,097	15,155	1,972	2,789
Montgomery street	12,399	90	20	.....
McMechen street	8,950	41	15	.....
Monument street	19,108	186	29¼	15
McHenry street	37,920	344	31	.....
Monroe street	1,200	13	1	.....
Mount street	2,773	28	5	.....
Miller street	2,358	30	2	215
Maryland avenue	417	2	.....	.....
Mill street	9,840	91	16½	.....
McElderry street	1,210	14	.....	.....
Madison street	43,386	642	69½	.....
McElderry's wharf	3,655	31	5	.....
Marshall avenue	2,412	22	2	.....
Milliman street	1,265	12	2	.....
Myrtle avenue	5,034	55	1	.....
North avenue	7,650	84	9½	.....
Neighbor street	3,065	34	2	.....
North street	8,114	78	5¼	161
Oliver street	457	4	.....	.....
Orleans street	1,390	13	½	.....
Ostend street	2,846	20	3	.....
O'Donnell's wharf	8,525	65	9	.....
Ogsden street	562	6	.....	.....
Park avenue	446	5	.....	.....
Pearl street	38,107	370	77	.....
Patterson avenue	3,875	48	3	.....
Amts. carried forward.	1,510,061	17,483	2,280½	3,180

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Percaes of stone.	Linear feet kerb reset.
Amts. brought forward	1,510,061	17,483	2,280½	3,180
President street	13,503	169	23	.....
Pleasant street	2,590	19	1½	.....
Paca street	7,450	72	9	.....
Pratt street	21,466	292	32	.....
Presstman street	8,040	83	20	.....
Pierce street	440	4	.....	.....
Perry street	1,798	11	1	.....
Plowman street	608	6	½	.....
Pennsylvania avenue	450	2	.....	.....
Preston street	15,036	200	34¾	.....
Postoffice avenue	10,386	95	.....	.....
Pine street	1,120	12	2	.....
Robert street	7,470	71	6	22
Ramsay street	6,764	53	5	.....
Richmond street	86	1	.....	.....
Regester street	5,358	48	5	.....
Russell street	1,470	12	2	.....
Raborg street	4,613	45	4½	.....
Ridgeley street	4,166	24	1½	.....
Read street	10,537	165	15½	21
Saratoga street	20,749	266	30	.....
Sharp street	4,563	33	4	.....
St. Paul street	2,234	20	3	.....
St. Joseph street	1,820	17	2	.....
Second street	1,372	11	2½	.....
Amts. carried forward.	1,664,150	19,214	2,485¼	3,223

TABLE D—Continued.

STREETS.	AREA IN SQ. FEET.	LOADS OF SAND.	PERCHES OF STONE.	LINEAR FEET KERB RESET.
Amts. brought forward	1,664,150	19,214	2,485¼	3,223
South street	1,405	11	2	.....
Stricker street	1,340	25	2	.....
Smith's wharf	27,241	259	65	.....
Spear's wharf	20,244	187	38½	.....
State street	4,896	94	3	.....
Stiles street	2,831	27	2½	.....
Shakespeare street	7,400	65	13	.....
Spring street	6,139	107	21½	179
Stirling street	2,605	20	3	.....
Schroeder street	29,922	258	14¼	.....
Tyson street	75	1	.....	.....
Thames street	1,100	8	.....	.....
Townsend street	23,416	196	26¼	.....
Union street	276	3	.....	.....
Union dock	12,685	151	16	.....
Vine street	2,629	25	4	165
Wilson street	41,962	604	89	32
Wilkens avenue	3,076	32	5	.....
West Falls avenue	321	5	.....	.....
Washington avenue	5,896	39	5	.....
Wehage street	4,112	32	5	.....
West street	11,215	80	10½	65
Warren avenue	6,504	33	3¾	159
Wall street	3,338	27	5	85
Warner street	9,663	74	9	.....
Amts. carried forward	1,894,446	21,577	2,828½	3,908

TABLE D—Continued.

Streets.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Amts. brought forward	1,894,446	21,577	2,828½	3,908
Watson street	2,475	20	4	.....
Willow street	142	1	½	.....
Wolfe street	24,329	372	54	25
Washington street	13,979	228	20	260
York street	9,157	102	19¼	.....
	1,944,528	22,300	2,926¼	4,193

TABLE D—Continued.

Showing the quantity of Repairs done and Materials used on Lanes and Alleys during the year 1889.

Lanes and Alleys.	Area in Sq. Feet.	Loads of Sand.	Perches of Stone.	Linear Feet Kerb Reset.
Abell alley	2,940	17	1	.....
Bruce alley	4,700	55	6	.....
Burgundy alley	9,906	58	6	.....
Brunt alley	1,300	15	2	.....
Callender alley	43	1	.....	.....
Cider alley	12,163	95	27¾	.....
China alley	3,047	14	1¾	.....
Calhoun alley	6,744	35	4½	.....
Camel alley	200	2	½	.....
Chestnut alley	600	7	¾	.....
Cypress alley	5,115	50	6	.....
Duncan alley	8,880	71	2	.....
Durst alley	7,250	53	4	.....
Decker alley	4,474	30	1¼	.....
Exchange alley	600	7	1	.....
Fulton alley	2,580	23	4	.....
Holland alley	3,917	26	6	.....
Hollins alley	2,424	10	.....	.....
High alley	2,393	27	4	.....
Hope alley	2,472	13	1½	75
Hickman's alley	2,400	22	.....	.....
Hall's alley	975	9	.....	.....
Jenkins' alley	6,430	64	7	.....
Amts. carried forward.	91,553	704	87	75

TABLE D—Continued.

Lanes and Alleys.	Area in sq. feet.	Loads of sand.	Perches of stone.	Linear feet kerb reset.
Amts. brought forward	91,553	704	87	75
Lovegrove alley	18,260	127	15¾	218
Larew alley	3,980	26	5	16
Liberty alley	2,766	26	¾	.....
Lohman's alley	3,196	24	2¼	.....
Morris alley	3,050	8	.....	.....
Moore's alley	100	2	.....	.....
McClellan's alley	2,290	9	1	.....
Morton alley	3,195	18	1	30
N alley	1,360	10	2	.....
Orange alley	2,678	19	¾	.....
Pear alley	1,425	16	.....	.....
Peach alley	430	2	.....	.....
Point lane	300	4	.....	.....
Parrish alley	1,275	15	.....	.....
Schaefer's alley	1,936	15	3½	.....
Salisbury alley	1,096	9	½	.....
Snyder's alley	2,595	30	.....	.....
Stoddard alley	6,045	55	8	.....
Stable alley	172	2	.....	.....
Sharp street alley	4,960	31	3	.....
Vincent alley	2,962	23	.....	.....
	155,624	1,175	130½	339

TABLE D—Concluded.

Grand total Quantities of Repairs in Streets and Alleys.

	AREA IN SQ. FEET.	LOADS OF SAND.	PERCHES OF STONE.	LINEAR FEET KERB RESET.
Streets	1,944,528	22,300	2,926¼	4,193
Alleys	155,624	1,175	130½	339
	2,100,152	23,475	3,056¾	4,532

TABLE E.

Showing Quantity and Cost of Work done by Superintendents of Street Repairs.

SUPERINTENDENTS.	SQUARE FEET PAVED.	LINEAR FEET KERB RESET.	PERCHES OF STONE.	LOADS OF SAND.	COST.
John Fitzpatrick.....	166,700	395	243	1,885	$ 5,542 65
John L. Brown.....	177,747	613	240	1,955	5,911 06
Moses Egan.....	181,302	.....	201¼	1,796	6,028 16
Walter Sauerwein.....	172,975	.....	232	2,179	5,751 29
Thos. W. Selvage.....	173,404	369	223½	1,995	5,765 55
John O'Donnell.....	176,652	523	214	1,558	5,873 54
Wm. H. Lennon.....	198,991	218	294¼	2,113	6,616 32
E. J. Stapleton.....	192,299	1,343	269½	2,249	6,394 81
R. W. Keily.....	165,363	192	253½	1,826	5,498 18
Joseph Schoenig.....	160,094	290	268¾	1,720	5,323 01
Thos. Kavanaugh.....	169,942	.....	259	1,881	5,317 94
Louis Schleisinger.....	174,683	589	358	2,318	5,808 08
	2,100,152	4,532	3,056¾	23,475	$69,830 59

TABLE F.

Showing the Revenue received in the City Commissioner's Department for the year ending December 31, 1889.

ON WHAT ACCOUNT.	AMOUNTS.
Vaults and areas	$ 909 89
Repairs of sewers	3,647 69
Repairs of paved streets	1,323 59
Repairs of bridges	12 50
Improvement of Jones' Falls	337 50
Iron gutter plates	14 36
Light street bridge	61 15
Cathedral street No. 1	3 60
Cathedral street No. 2	65 00
Preston street sewer	33 33
Patapsco street sewer	2 00
Wilkens avenue bridge	117 73
Public printing	233 00
	$6,761 34

REPORT.

—OF THE—

JONES' FALLS COMMISSION.

REPORT.

BALTIMORE, December 31st, 1889.

Hon. R. C. Davidson, Mayor;
A. E. Smyrk, City Commissioner;
constituting Jones' Falls Commission.

GENTLEMEN:

I herewith submit a report in detail of all the work done under the supervision of the Commission along the line of Jones' Falls during the year 1889.

RETAINING WALLS.

At the date of the last annual report work was in course of prosecution at the following points, viz:

Gang "A," Jas. Donohue foreman, upon the east bank of the Falls, north of Preston street bridge.

Gang "B," P. C. O'Donnell foreman, upon the south or west bank between Charles street and Maryland avenue.

Gang "C," N. W. Wallace foreman, upon the west bank north of Preston street bridge.

The work of gang "A" rests upon the solid bed rock, prepared by blasting to receive the finished masonry, and was completed on August 6th, and the force, with the exception of the night and day watchmen, was disbanded.

In the prosecution of this work the portal for the Jenkins' Run, or Carter alley sewer, now in course of construction by the City, was located and built. The wall, at this point, is now completed to the line of the Pennsylvania Railroad Company's property as originally intended.

As in the case of the work above named, the foundations for the wall built by gang "C" are upon the solid bed rock; work was continuously prosecuted at this point until March 9th, when the force here employed was moved to the north bank of the Falls, adjoining Charles street bridge, and became designated as gang "D."

The work of gang "D" was authorized by the Commission March 7th, 1889, and was made necessary because of the heavy rain fall and freshet of March 4th. The damage then done by the high water not only made deep inroads upon the adjoining banks, but swept away a large portion of the Charles street embankment and seriously imperiled the north abutment of the Charles street falls bridge.

The work of repair was at once taken in hand and prosecuted continuously until July 1st, when it was

completed; the wing-wall being restored and sufficient new work constructed to afford full protection for the embankment of Charles street adjoining.

This work, and in fact all the work upon the Falls during the past year, was very much retarded because of rainy weather and high water in the Falls as a consequence; in a given period of ninety consecutive days there were over thirty days' interruptions from this cause, and frequently, when working below the water-line, the work of days was undone in a few hours, though fortunately no serious loss was inflicted. In the prosecution of this work a steam pump had to be employed, and a coffer-dam constructed around the foundation trench; the underpinning of a portion of the wall of the north abutment of Charles street bridge was found to be necessary. 578.79 cubic yards of masonry were required for this work, at a total cost of $6,833.13, an average of $11.80 per yard, including all charges.

After the completion of these important repairs it was thought advisable to begin the removal of the large amount of material that lay in the proper channel of the falls, and the force of gang "D" was employed at this work, completing the cleaning up of the stream on October 9th, 1889, by transferring the earth, &c., to the north bank of the falls on the property of the Northern Central Railway Company, permission to do which was given by letter from their engineer of date of November 27th, 1888, and which is on file in this

office. In order to protect the removed material from the action of ordinary freshets a low dry wall was constructed of such materials as were recovered from the bed of the falls, together with some rough rubble stone, which was unloaded from the cars within dragging reach of a derrick. The total amount of earth moved was about 6,500 yards, at a total cost of $3,394.57, including cost of low rubble wall built.

Gang "B" was steadily employed upon the construction of the wall on the south bank of the falls, between Charles street and Maryland avenue, and completed the same to the limit at Maryland avenue, October 22d, 1889, when the derrick and machinery were transferred to the eastern end of this same stretch, and work was commenced upon closing the gap remaining between this point and the western side of the south abutment of the Charles-street bridge.

The prosecution of this work towards Maryland avenee was very laborious, because of the heavy excavation that had to be made to clear a path for the wall; the depth compelled to go for a foundation, and the care necessary to be taken to avoid damage to the mill property of the Messrs. P. Walsh & Sons here situated. With the exception of some damage to the engine-house adjoining the mill, no injury was inflicted and the wall was completed to a junction with the east wing wall of the south abutment of Maryland avenue bridge October 22d, as before stated.

Settlement in full has been made with the Messrs. P. Walsh & Sons for the damages sustained by them as above mentioned, under instructions from the commission for the sum of four hundred dollars.

In the prosecution of the work upon which gang "B" is now employed a steam pump has been found necessary, and it is required to construct a coffer-dam around the foundation trench.

The character of the work heretofore done along the falls has been strictly adhered to in the construction of all of this new work, and will bear favorably comparison thereto, both as to appearance, quality and cost, equal conditions considered.

With the single exception of the repairs, &c., to the west wing wall of the Charles-street bridge, the ashler stone used has been from the Beaver dam qurries at Cockeysville, Md., courses ranging from thirty inches to eighteen inches rise; the finished wall being coped with 15 inch cut coping. The backing is of large Falls road stone from the quarries of James Atkinson; all stone being laid with hydraulic cement mortar (slow setting round top brand).

Statement of Work done upon the Retaining Walls proper along the line of Jones' Falls during the year 1889.

TITLE OF GANG.	LINEAR FEET OF WALL BUILT.	CUBIC YARDS MASONRY LAID.	TOTAL COST.	AVERAGE PER YARD.
	FT. IN.			
A.....	179 5	1,052.88	$13,314 71	$12 65
B.....	192 7	1,603.18	22,789 69	14 21
C.....	41 3	358.42	4,421 91	12 33
Totals...	413 3	3,014.48	$40,526 31	$13 44

Summary of Amount and Cost of Work from an average date of June 15, 1881, to date.

TITLE OF GANG ON LOWER FALLS	LINEAR FEET OF WALL BUILT.	CUBIC YARDS MASONRY LAID.	TOTAL COST.	COST PER CUBIC YARD.
	FT. IN.			
No. 1....	933 4	2,380.08	$47,397 16	$19 91
" 2....	1,720 2	4,195.93	86,805 38	20 68
Totals...	2,653 6	6,576.01	$134,202 54	$20 41

On Upper Falls.

No. 3...	1,168 9	12,236.19	$142,480 07	$11 64
" 4...	635 5	7,878.84	79,148 73	10 04
" 5...	279 2	2,496.74	26,608 00	10 65
" 6...	301 3	2,536.50	30,775 56	12 13
" 7...	190 2	1,830.31	20,104 55	10 98
" 10...	341 2	2,909.62	35,170 57	12 08
" 12...	229 9	2,850.79	31,067 49	10 89
A.....	338 5	2,919.69	33,742 59	11 55
B.....	341 7	2,785.89	41,695 12	14 96
C.....	191 9	2,408.44	24,981 27	10 37
Totals...	4,017 5	40,853.01	$465,773 95	$11 40

It will thus be seen that the average cost per cubic yard for the year is $13.44, and that the cost per yard since 1881 has been $12.65 general average.

On lower falls $20.41 light wall pile foundation.
On upper falls $11.40 rock or gravel foundation.

It must be borne in mind that the figures above given cover all expenses of excavations, refilling behind walls, clearing bed of stream, preparing foundations, &c., as well as cost of masonry. The labor has been all by the day and at City rates established by law; the amount of money disbursed as wages during 1889 to the men employed has been $28,027.60, and since June 15th, 1881, $273,859.

MOUNT ROYAL TERRACES.

The new work done upon these terraces during the year has been the laying out along the street kerb of a grass plat of six feet in width, raised eight inches above the pavement level to avoid trampling and the setting out of 24 fine specimens of pin oak trees.

Brick pavements of an average width of fifteen feet have been laid along the fronts of these parks, and a four-inch kerb has been set along the Lovegrove alley front to protect the hedge there planted from injury from wagon wheels.

Beeause of the non-existence of a Park Board, the care of these terraces has devolved during the past year upon the Commission.

A gardener has been employed with such assistance as the seasons demanded; flower beds have been set out and cared for, and such other work done as occaseon required.

An ordinance has been introduced in the present City Council for the purpose of authorizing a transfer of these parks to the care of the newly constituted Park Commission, and is awaiting final passage. It is to be hoped that this will be acted upon as soon as possible, so that proper provision may be made for their care during the coming season by the Park Commission.

ST. PAUL AND CALVERT STREET BRIDGES.

In response to notice given from this office, the contractors for maintenance of the asphalt floors (Messrs. A. L. Barber & Co., of Washington, D. C.,) on June 22d began the work of renewal and repair as provided for in their contracts.

The entire wearing coat of the floor upon the Calvert street bridge was removed and a new surface laid down and rolled under the pressure of a five ton steam roller; the work was well done and the floor now presents a good smooth surface for travel. On July 8th, 1890, the contract for maintenance of the floor of this bridge will terminate.

The work of repair on St. Paul street bridge was confined to renewing the sidewalks, the road bed being in excellent condition; the contract for this bridge

does not expire until June 25th, 1891. Upon the expiration of these contracts, it is incumbent upon the contractors to place all the work in thoroughly good order.

Under instructions from the Commission, contracts were made to place new and attractive bronze electric lamp pillars upon the Calvert street bridge in lieu of the unsightly posts then in use, and the result has been eminently satisfactory. It might not be amiss here to suggest that electric lamps be placed upon the St. Paul street bridge in lieu of the twenty gas lamps now in daily use, as the bridge would be much better lighted by the electric lamp, though the cost will be a little greater.

An examination into the condition of the portions of these bridges protected from engine gasses by cover plates during 1888 reveals the fact that the protection has been complete, and that the only care necessary is occasional painting. I would here renew the recommendations made in the annual report for 1888, respecting the necessity of painting the iron work of both St. Paul, Calvert and North street bridges, and which is only made more urgent by the lapse of a year.

Acting under instructions of the City Commissioner, repairs were made to the retaining wall damaged by freshet, in the rear of St. Vincent's Church on north Front street.

As the various works were completed and gangs disbanded, it became necessary to have some place to store the derricks, machinery and tools that belonged to the Commission, and which had been employed in the work under their charge. Acting under the instructions of the Commission, your Engineer had a close shed constructed upon a portion of the Bolton lot, and as each was brought to a conclusion the materials and machinery were removed to said lot and delivered to the care of the City Commissioner, from whom a receipt for the articles delivered was taken and is on file. At this date there is no property remaining in the care of your Engineer, save the equipment employed by gang "B."

DREDGING JONES' FALLS.

There not being any provision made for the annual dredging of Jones' Falls as recommended in your report for 1888, no work has been done in consequence, but from soundings made it is evident the channel of the Falls is rapidly refilling, and the good results of freedom from floods that have followed the dredging of former years will be soon nullified, without some effort is made to have an annual clearance of the lower channel by dredging.

The sum of five thousand dollars, or as much thereof as may be necessary, should be appropriated annually for this work.

I would further recommend that all the work of this character be placed under the care of the Harbor

Board, and be contracted for and executed under their supervision in conjunction with their regular harbor work.

The following detailed statement of expenditures on Jones' Falls Improvement that have passed through this office for the year 1889 is submitted.

DR.

For the building of retaining walls, as per sub-detailed statement	$40,226 31
For the repair and new work on north bank of falls adjoining Charles-street bridge	6,833 13
For clearing falls between Charles street and Maryland avenue, and moving materials	3,394 57
For settlement of claim for damages made by Messrs. P. Walsh & Sons	400 00
For new electric bronze lamps and pillars upon Calvert-street bridge	404 46
For repairs to retaining wall in rear of St. Vincents' Church	232 77
For new work and maintenance of the Mt. Royal terraces, between Lovegrove alley and Guilford avenue	1,792 61
For close fence along wall between Lovegrove alley and Charles street	274 50
For expenses of night and day watchmen at gangs at Preston street during suspension of active work	212 69
Amount carried forward	$53,771 04

Amount brought forward		$53,771 04
For cost of storing shed at Bolton lot and of hauling and storing materials upon same	205 92	
For office expenses including rent, fuel, &c.	221 77	
For engineer's pay roll during 1889	2,275 00	
Total expenditures for 1889		$56,473 73

Cr.

By face amount of total vouchers issued during 1889	$56,773 73

The Commissioner on August 8th, 1889, rented to Mr. Thos. E. Bowen for use at Federal Hill Park in driving piles, one of the hoisting engines belonging to the Commission, and at that time not in use—the engine has been returned, and the amount of the rental, $100, has been paid over to the City Commissioner.

Provision must be made for the following fixed charges for maintenance of the asphalt floors on bridges; these amounts are obligatory upon the City, viz:

To Messrs. A. L. Barber & Co., Washington, D. C.

For St. Paul street bridge (contract expires June 25th, 1891)	$946 27	
For Calvert street bridge (contract expires July 8th, 1890)	536 05	
Amount carried forward		$1,482 32

Amount brought forward	$1,482 32
To Messrs. Cranford & Filbert.	
For Biddle street bridge, due October 12th, 1889	129 84
For Biddle street bridge, due October 12th, 1890 (contract expires October 12th, 1895).	129 84
Total	$1,742 00

PRESENT WORK.

The work now in hand and under way is the completion of the wall between Charles street and Maryland avenue on the south bank of the Falls, to a junction with the west side of the south abutment of Charles street bridge; it is estimated that the funds now in the Comptroller's hands will nearly, if not entirely suffice for the completion of this work.

When this shall have been finished all the work now before the Jones' Falls Commission will be brought to a conclusion.

There still remains a balance of $28,000 of unissued stock for the improvement of Jones' Falls available for any future work that may be authorized by the Council.

It may not be amiss to here remark that perhaps no internal improvement of recent years has been the direct means of extending the taxable area of the City more than the work of the improvement of the valley of Jones' Falls. For as fast as bridges and retaining

walls were completed, private enterprise followed and large tracts of unimproved and unproductive land are to-day covered with buildings, some of a most costly character. These results are directly traceable to these improvements which were so wisely conceived and so successfully executed.

The estimated value of plant and equipment and their distribution is as follows, December 31st, 1889—

With gang "B" at Charles street	$1,670 30
Stored at Bolton lot under care of City Commissioner	4,500 00
Total	$6,170 30

Respectfully submitted,

WM. H. MARRIOTT,

Engineer to Commissioner.

The Sixth Annual Report

— OF THE —

BOARD OF FIRE COMMISSIONERS,

— AND THE —

THIRTY-FIRST ANNUAL REPORT

— OF THE —

FIRE DEPARTMENT,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

Fiscal Year Ending December 31, 1889.

Officers of the Fire Department.

FIRE COMMISSIONERS:

J. ALEXANDER PRESTON, *President,*

ROBERT C. DAVIDSON, *Ex-officio,*

JOHN F. HUNTER, SAMUEL W. REGESTER.

SECRETARY AND CLERK:

DAVID H. LUCCHESI.

CHIEF ENGINEER:

JOHN M. HENNICK.

ASSISTANT ENGINEERS:

GEORGE W. ELLENDER, THOS. F. MURPHY.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF CHEMICAL COMPANIES:

WILLIAM M. DUNN.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH:

CHARLES J. McALEESE.

REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL.

BALTIMORE, January 1st, 1890.

To the Honorable the
Mayor and City Council of Baltimore.

GENTLEMEN:

The undersigned Commissioners submit their report of the working of the Department for the year ending December 31st, 1889.

The only increase in the Department during the year 1889, was the purchase and fitting up of the building on Lombard street, to be used as the house for No. 8 Chemical Engine Company, and for the Engine Company to be known as No. 15. The City Council provided the necessary funds for the Chemical Company in June and it was placed in service; the funds for the purchase of engine horses and equipment of No. 15 Engine Company are still to be provided for by the present Council. The house on Lombard street has been occupied for the last two months, by the men and

apparatus of No. 10 Engine Company, the engine house of that company having been partially rebuilt during that time.

The harness, machinery, and all the appliances of the Department for putting out fires, are of the latest and most approved patterns, and the Fire Department of Baltimore, for its size, has no superior, either in the efficiency or gallantry of its members. The horses of the Department, with few exceptions, are all in good condition, and are first class.

On examination of the detailed account of the character, size and result of every fire during the last year, contained in the report of the Chief, in a tabulated form, will verify the accuracy of the foregoing statement in regard to the efficiency of the Department.

The Board, as it did last year, again calls the attention of your Honorable Body to the unprotected condition of the harbor. An expenditure during last year, sufficient to provide a fire boat for the harbor, would have saved from destruction an amount of property several times in value the cost of such a boat. It is an absolute necessity that a fire boat should be provided, and a new engine company organized about the centre of the City.

In 1889, there were 545 fires, and the losses aggregated $477,329.07 the heaviest losses being the fires which destroyed a part of the steamer "Theodore Weems" in the harbor, and the factory of Ober & Sons, situated at Locust Point.

In the preceding year (1888), the fires numbered 602, and the losses amounted to the sum of $1,272,478.82.

With this report is submitted the suggestions and report of the Chief Engineer and the Superintendent of Police and Fire-Alarm Telegraph, for the consideration of your Honorable Body.

The Commissioners file herewith as part of this report, Exhibits A, B, C, D, E, F and G.

Exhibit A shows the amount appropriated by the Mayor and City Council of Baltimore for the Department for 1889, and the expenditures for that period.

Exhibit B shows the amount of special appropriations and its disbursements.

Exhibit C shows the general receipts of the Department for 1889.

Exhibit D shows the general expenditures for 1889, and Exhibit E the general statement for 1889.

Exhibit F. shows the expenditures of each Company.

Exhibit G shows the expenditures of the City Annex, for the year 1889.

The Commissioners append herewith the estimate of the financial requirements of the Department for 1890.

ESTIMATE FOR 1890.

Salaries	$156,200 00
Apparatus	7,500 00
Apparatus repairs	5,000 00
Amount carried forward	$168,700 00

Amount brought forward	$168,700 00
Accident	2,500 00
Feed	10,000 00
Fuel	3,000 00
Furniture	1,500 00
Harness	800 00
Horse-shoeing	1,800 00
Hose and suction sleeves	9,000 00
Horses	5,000 00
Ground rent	804 25
Gas	1,200 00
Oils, grease, &c	2,000 00
Office expenses, including printing report and Messengers' salary	1,000 00
Rent of telephones	700 00
Miscellaneous	1,000 00
Washing	1,500 00
Life insurance	3,000 00
Sick account	1,000 00
Pensioned firemen	4,000 00
Police and Fire Alarm Telegraph	18,975 00
Total	$237,479 25

ESTIMATE OF CITY ANNEX 1890.

Deficiency for 1889	$ 3,860 82
Salaries	15,400 00
Apparatus repairs	1,500 00
Accident	600 00
Amount carried forward	$21,360 82

Amount brought forward	$21,360 82
Feed	2,400 00
Fuel	400 00
Furniture	500 00
Harness	500 00
Horse-shoeing	500 00
Hose	300 00
Horses	1,500 00
Rent	600 00
Gas	150 00
Oils, grease, &c	1,000 00
Rent of telephones	50 00
Miscellaneous	300 00
Washing	150 00
Life insurance	325 00
Sick account	200 00
Police and Fire Alarm Telegraph	5,000 00
Total	$35,335 82

J. ALEXANDER PRESTON,
President.
JOHN F. HUNTER.
SAMUEL W. REGESTER.

EXHIBITS.

EXHIBIT A.

Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year of 1889	$232,064 25
Amount drawn from City Comptroller	232,063 53
Balance undrawn	.72

EXHIBIT B.

Special Appropriations.

Amount appropriated by Honorable Mayor and City Council for eight (8) fire alarm boxes, viz.: 175, 233, 239, 265, 429, 465, 478, 386	$1,500 00
Amount drawn from City Comptroller	1,493 43
Balance undrawn	$6 57
Amount appropriated by Honorable Mayor and City Council for improved machinery in the Police and Fire Alarm Telegraph department	$3,890 60
Amount drawn from City Comptroller	$3,890 60

EXHIBIT B—Continued.

Amount appropriated by Honorable Mayor and City Council for the repair of machinery in the Police and Fire Alarm department, damaged by electric light current September 9th and October 13th, '89	$723 00
Amount drawn from City Comptroller.....	723 00
Amount appropriated by Honorable Mayor and City Council for maintaining No. 8 Chemical Engine Company.....	$1,200 00
Amount drawn from City Comptroller.....	1,198 77
Balance undrawn.....	$1 23

EXHIBIT C.

General Receipts.

Balance on hand, store-room stock, December, 1888	$	135 00
Amount drawn from City Comptroller for the year 1889	232,063	53
Amount received from sale of manure and old material	502	25
Amount received from Accident Insurance Company	1,156	71
Total	$233,857	49

EXHIBIT D.

Showing the amount expended for the year ending December 31st, 1889.

Salaries	$153,672 94
Apparatus and repairs	16,351 38
Accident	1,729 75
Feed	8,745 31
Fuel	2,419 60
Furniture	1,045 11
Harness	633 36
Horse-shoeing	1,695 24
Hose and suction sleeves	7,938 83
Horses	4,429 00
Ground rent	804 25
Gas	1,159 62
Oils, grease, &c	1,819 52
Office expenses, including printing report and messenger's salary	846 15
Rent of telephones	643 12
Miscellaneous	1,825 99
Washing	1,481 87
Life insurance	3,357 50
Pensioned firemen	3,200 00
Sick account	751 57
Police and Fire Alarm Telegraph	17,523 42
	$232,073 53
Insurance indemnity paid to members	$ 1,156 71
	$233,230 24

EXHIBIT E.

General Statement.

Receipts from all sources		$233,857 49
Expenditures	$233,230 24	
Amount paid to City Register	502 25	
	$233,732 49	
Balance store-room stock December 31, 1889	125 00	
		$233,857 49

EXHIBIT F.

Company Expenditures.

No.	1	Engine Company	$10,273 46
"	2	" "	11,238 59
"	3	" "	9,832 51
"	4	" "	12,044 91
"	5	" "	9,199 78
"	6	" "	9,159 18
"	7	" "	10,048 81
"	8	" "	8,561 68
"	9	" "	9,508 15
"	10	" "	9,532 83
"	11	" "	14,049 28
"	12	" "	9,637 56
"	13	" "	8,485 19
"	14	" "	8,032 08
"	1	Hook and Ladder Company	9,000 52
"	2	" " "	9,917 83
"	3	" " "	8,866 45
"	4	" " "	9,059 81
"	5	" " "	8,884 69
"	6	" " "	8,154 37
			$192,887 68
Rent of telephones			643 12
Reserve apparatus			4,020 38
Officers' salaries and repairs			12,211 07
Miscellaneous			741 71
Office expenses			846 15
Pensioned firemen			3,200 00
Police and Fire Alarm Telegraph			17,523 42
			$232,073 53

EXHIBIT G.

City Annex Appropriation.

Amount appropriated by Honorable Mayor and City Council for the year 1889.....	$16,206	75
Amount for salaries received from City Comptroller by order of the City Solicitor.....	8,179	98
	$24,386	73
Amount drawn from City Comptroller.....	24,386	27
Balance undrawn.....		46

EXHIBIT H.

Showing the amount expended for the Annexed District for the year ending December 31st, 1889.

Salaries	$15,399 96
Apparatus and repairs	724 08
Accident	
Feed	445 02
Fuel	114 00
Furniture	98 50
Harness	190 50
Horseshoeing	64 70
Hose	57 20
Horses	881 00
Rent	273 13
Gas	36 00
Oils, grease, &c	161 38
Office expenses	
Miscellaneous	49 95
Washing	72 02
Life insurance	386 64
Sick account	139 78
Police and Fire Alarm Telegraph	5,292 41
	24,386 27

EXHIBIT I.

Company Expenditures.

No. 1 Engine Company	$ 2,096 90
" 2 " "	2,177 31
" 3 " "	2,200 57
" 4 " "	2,112 36
" 5 " "	2,234 26
" 6 " "	2,274 76
" 7 " "	2,172 65
" 7 Hook and Ladder	726 05
" 8 " " "	744 38
" 9 " " "	718 66
	$17,457 90
Officers' salary and repairs	$ 1,635 96
Police and Fire Alarm Telegraph	5,292 41
	$24,386 27

REPORT

—OF THE—

CHIEF ENGINEER.

REPORT.

OFFICE OF CHIEF ENGINEER—CITY HALL.

BALTIMORE, January 1st, 1890.

To the Honorable Board of Fire Commissioners.

GENTLEMEN :

I have the honor herewith to submit to you the annual report of the Fire Department for the fiscal year ending December 31st, 1889, which is the thirty-first report of the paid Fire Department of Baltimore City.

On the 15th of November, 1889, No. 8 Chemical Engine Company was organized and stationed at the house intended for them, and No. 15 Engine Company on Lombard street, west of Howard street—this company has three members, captain, driver and one fireman, all permanent, increasing the manual force of the department to two hundred and sixty-four (264) members, of which one hundred and thirty-four (134) are permanent members, and one hundred and thirty (130) are call members.

The permanent members are uniformed and receive the following salaries:

1	Chief Engineer	$2,000 per annum.
2	Assistant Engineers, at the rate of	1,400 " "
1	Superintendent of Machinery	1,400 " "
14	Enginemen of Steamers, at the rate of	1,100 " "
14	Assistant Enginemen of Steamers, at the rate of	900 " "
20	Drivers of Steamers and Trucks, at the rate of	900 " "
12	Tillermen of Trucks, at the rate of	900 " "
24	Firemen in Engine Companies, at the rate of	800 " "
18	Laddermen in Truck Companies, at the rate of	800 " "
	Captain of Chemical Engine Company No. 8	900 " "
	Fireman of Chemical Engine Company No. 8	800 " "
	Driver of Chemical Engine Company No. 8	800 " "

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CALL MEMBERS.

20	Captains, at the rate of	$500 per annum.
79	Firemen, at the rate of	400 " "
30	Laddermen, at the rate of	400 " "
1	Superintendent of horses	500 " "

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MEMBERS OF COMPANIES IN THE ANNEX DISTRICTS—ALL PERMANENT AND UNIFORMED.

1	Superintendent of the Companies	$1,000 per annum.
7	Captains, at the rate of	600 " "
10	Drivers, at the rate of	600 " "
7	Firemen, at the rate of	600 " "

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SUBSTITUTES.

There are five substitute members to each company; they give their services to the department for no compensation, except when on duty for regular members; they are in line of promotion, and are insured against accidents for the same amount as the regular members.

Deaths, Resignations, Dismissals, Transfers, Appointments and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Appointments.	Transfers.	Promotions.
Engine Co. No. 1	....	....	....	....	....	....
Engine Co. No. 2	....	1	1	1	....	1
Engine Co. No. 3	....	1	....	1	2	....
Engine Co. No. 4	....	....	....	....	....	....
Engine Co. No. 5	....	1	....	1	....	....
Engine Co. No. 6	....	....	....	1	1	....
Engine Co. No. 7	....	....	....	1	1	....
Engine Co. No. 8	....	....	1	1	....	1
Engine Co. No. 9	....	....	....	....	....	....
Engine Co. No 10	....	....	....	....	1	....
Engine Co. No. 11	2	....	1	3	1	1
Engine Co. No. 12	1	2	....	3	....	....
Engine Co. No. 13	....	....	1	1	....	1
Engine Co. No. 14	....	....	....	....	....	....
Hook & Ladder Co. No. 1	....	1	1	1	4	....
Hook & Ladder Co. No. 2	1	....	....	1	1	....
Hook & Ladder Co. No. 3	....	....	1	1	2	2
Hook & Ladder Co. No. 4	....	....	....	....	1	....
Hook & Ladder Co. No. 5	....	1	1	....	....	1
Hook & Ladder Co. No. 6	....	....	1	1	2	2
	4	7	8	17	16	9

Deaths, Resignations, Dismissals, Transfers, Appointments and Promotions.

Companies.	Deaths.	Resignations.	Dismissals.	Transfers.	Appointments.	Promotions.
Chemical Engine Co. No. 1	....	....	2	1	2	....
Chemical Engine Co. No. 2	....	....	....	....	....	....
Chemical Engine Co. No. 3	....	....	....	....	....	....
Chemical Engine Co. No. 4	....	....	....	1	....	....
Chemical Engine Co. No. 5	....	1	1	....	1	....
Chemical Engine Co. No. 6	....	....	1	1	2	1
Chemical Engine Co. No. 7	....	....	1	....	1	....
Chemical Engine Co. No. 8	....	....	....	1	2	....
Hook and Ladder Co. No. 7	....	....	....	....	....	....
Hook and Ladder Co. No. 8	....	....	1	....	1	....
Hook and Ladder Co. No. 9	....	....	1	....	1	....
	....	1	7	4	10	1

WHERE THE COMPANIES ARE LOCATED.

No. 1 Engine Company, Paca street, north of Fayette street.

No. 2 Engine Company, Barre street, west of Sharp street.

No. 3 Engine Company, Lombard street, east of High street.

No. 4 Engine Company, Lexington street, west of North street.

No. 5 Engine Company, Ann street, near Gough street.

No. 6 Engine Company, at the intersection of Gay and Ensor streets.

No. 7 Engine Company, on Eutaw street, corner of Druid Hill avenue.

No. 8 Engine Company, Mulberry street, east of Oregon street.

No. 9 Engine Company, Madison street, east of Broadway.

No. 10 Engine Company, Columbia avenue, near Poppleton street.

No. 11 Engine Company, Eastern avenue, corner of Patterson Park avenue.

No. 12 Engine Company, Fort avenue, corner of Johnston street.

No. 13 Engine Company, at the intersection of Fremont street and Myrtle avenue.

No. 14 Engine Company, Hollins street, west of Monroe street.

No. 15 Engine Company, Lombard street, west of Howard street.

No. 16 Engine Company.

No. 8 Chemical Engine Company, in the same house with No. 15 Engine Company.

No. 1 Hook and Ladder Company, Harrison street, near Fayette street.

No. 2 Hook and Ladder Company, Paca street, near Fayette street.

No. 3 Hook and Ladder Company, Ann street, near Gough street.

No. 4 Hook and Ladder Company, Biddle street, near Druid Hill avenue.

No. 5 Hook and Ladder Company, Aisquith street, near Oliver street.

No. 6 Hook and Ladder Company, Hanover street, corner of Ostend street.

No. 1 Chemical Engine Company and No. 8 Truck Company, Brunswick street, near Frederick road.

No. 2 Chemical Engine Company, Mary street, Clifton.

No. 3 Chemical Engine Company, Fifth street, near Charles street avenue.

No. 4 Chemical Engine Company and No. 7 Truck Company, York road, Waverly.

No. 5 Chemical Engine Company, Homestead.

No. 6 Chemical Engine Company, Belair road.

No. 7 Chemical Engine Company and No. 9 Truck Company, Hampden.

APPARATUS IN SERVICE AND IN RESERVE.

Fourteen (14) Steam Fire Engines in regular service.

Five (5) Steam Fire Engines in reserve.

Fourteen (14) Heaters for the Engines.

Twenty-seven (27) four-wheel Hose Carriages.

One (1) Hose Wagon.

Thirty-eight (38) Fire Extinguishers of five gallons capacity, two of them are carried on each Hose Carriage and Hose Wagon.

Four (4) Fire Extinguishers of fifteen gallons capacity; they are carried on No. 1 and No. 2 Hayes' Trucks.

Six (6) Hayes' Extension Ladder Trucks.

Five (5) Hook and Ladder Trucks with banked Ladders.

One (1) Double Tank Chemical Engine, each tank of one hundred gallons capacity.

Three (3) Double Tank Chemical Engines, each tank of eighty-five gallons capacity.

Five (5) Double Tank Chemical Engines, each tank of fifty gallons capacity.

One Truck Wagon for carrying broken apparatus on.

Seven Concord Wagons, painted red, with large gongs on the dash-boards; they are used by the officers of the department, and two wagons are kept in reserve.

CONDITION OF THE APPARATUS.

The steam fire engines that are in regular service are in first-class condition, with the exception of No. 3 Engine, which requires a set of coil tubes in the boiler in place of the drop tubes, as they have been in five years, and are not reliable; some of them have given out, and had to be replaced.

The engine in service at No. 6 Engine Company is a La France Rotary; it has been in service six years, has had on two pumps, consumes more fuel and cannot be made to do as effective work as the piston engines. I would recommend that this engine be exchanged to the parties it was bought from, for a second size piston engine.

The first size steam fire engines in service are Nos. 1, 2, 3 and 4. The second size engines are Nos. 6, 9, 10, 11 and 13, and the third size engines are Nos. 5, 7, 8, 12 and 14. No. 11 Engine was placed in service on January 31st, 1889. The five steam fire engines in reserve are in good condition. There are seventeen piston engines and two rotary engines in the department.

HOOK AND LADDER TRUCKS.

In regular service there are five Hayes' Extension Ladder Trucks, two of them have extension ladders to run up eighty-five feet; one with an extension ladder to run up seventy-five feet; one with an extension ladder to extend sixty-five feet, and one with extension ladders to extend fifty-five feet.

One banked Ladder Truck, with Bangor Extension Ladders to extend seventy-three feet; and three Trucks with banked Ladders on.

IN RESERVE.

One Hayes' Extension Ladder Truck and one Truck with banked Ladders.

HOSE WAGONS AND HOSE CARRIAGES.

One Hose Wagon received on September 6th, 1889. Twenty-five of the twenty-seven Hose Carriages are in good condition; the other two Hose Carriages, one of them at No. 7 Engine Company and one at No. 9 Engine Company are old, and should be replaced with Hose Wagons.

CHEMICAL ENGINES.

The nine Chemical Engines are in good condition; two of them are new; one of them was received on September 2d, and the other on December 31st, 1889.

OFFICERS' CARRIAGES AND FUEL WAGONS.

The officers' carriages and fuel wagons are all in good condition.

DESCRIPTION OF STEAM FIRE ENGINES.

No. 1 is a vertical, crane neck, double piston engine, built by Ives & Brother in March, 1874, rebuilt by the La France Company, and a nest tube boiler put on in April, 1884.

No. 2 is a vertical, crane neck, double piston engine, built by the La France Company in January, 1889.

No. 3 is a vertical, crane neck, double piston engine, built by Ives & Brother in February, 1874, rebuilt by Clapp & Jones, and a drop tube boiler put on in December, 1884.

No. 4 is a vertical, crane neck, double piston engine, had a new nest tube boiler put on by the La France Company in March, 1883.

No. 5 is a horizontal, half crane neck, double piston engine, with a drop tube boiler, built by Clapp & Jones in December, 1885.

No. 6 is a crane neck, rotary engine, built by the La France Company in December, 1884.

No. 7 is a vertical, straight frame, single piston engine, built by Reaney & Neifie in September, 1858, rebuilt by Clapp & Jones, and a drop tube boiler put on in November, 1883.

No. 8 is a vertical, crane neck, double piston engine, built by the La France Company in August, 1888.

No. 9 is a vertical, crane neck, double piston engine, built by the La France Company in October, 1886.

No. 10 is a vertical, crane neck, double piston engine, built by Clapp & Jones in September, 1886; it has a coil tube boiler on.

No. 11 is a vertical, crane neck, double piston engine, built by the La France Company in February, 1889.

No. 12 is a horizontal, straight frame, double piston

engine, built by Clapp & Jones in August, 1885; it has a drop tube boiler on.

No. 13 is a crane neck, rotary engine, built by the Silsby Company in August, 1887.

No. 14 is a vertical, crane neck, double piston engine, built by Clapp & Jones in July, 1888; it has a drop tube boiler on.

Engines.	Cylinders		Pumps.		Boilers.		Gallons per Minute.	Weight as Drawn to Fires.
	Diameter.	Stroke.	Diameter.	Stroke.	Diameter.	Height.		
Engine No. 1	8½	10	4¾	10	38	64	900	9,420
Engine No. 2	8¾	8	5	8	36	60	950	9,400
Engine No. 3	8½	10	5	10	38	66	1020	9,600
Engine No. 4	8½	10	4¾	10	38	64	900	9,400
Engine No. 5	6¼	7	3¾	7	32	60	600	6,700
Engine No. 6		Rotary.			34	60	500	7,400
Engine No. 7	9	12	5	12	32	60	450	6,900
Engine No. 8	8½	6	4¾	6	30	60	600	7,100
Engine No. 9	7¼	8	4⅜	8	31	65	650	7,480
Engine No. 10	7½	7	7⅝	7	32	60	650	7,160
Engine No. 11	8⅝	8	4¾	8	34	60	750	8,400
Engine No. 12	6¼	7	3¾	7	32	60	600	6,825
Engine No. 13		Rotary.			34	60	600	6,700
Engine No. 14	7	7	4⅜	7	32	60	600	6,980

Fourteen (12) piston and two (2) rotary engines. No. 7 is a single engine

DESCRIPTION OF STEAM FIRE ENGINES THAT ARE KEPT IN RESERVE.

A—Formerly No. 2, located at No. 4 Engine House, is a horizontal, straight frame, single piston engine, built by Ives & Bro. in 1864, rebuilt by the La France Company in 1884, and a nest tube boiler put on.

B—Formerly No. 8, located at No. 4 Truck House, is a horizontal, straight frame, single piston engine, built by Poole & Hunt in 1867, rebuilt by Ives & Bro., and a new boiler put on in 1878.

C—Formerly No. 9, located at No. 9 Engine House, is a horizontal, straight frame, single piston engine, built by Ives & Bro. in 1871.

D—Formerly No. 11, located at No. 11 Engine House, is a horizontal, straight frame, single piston engine, built by Poole & Hunt in 1867, rebuilt by Ives & Bro. in 1875.

E—Formerly No. 13, located at No. 14 Engine House, is a horizontal, straight frame, single piston engine, built by Ives & Bro- in 1876.

Engines.	Cylinders.		Pumps.		Boilers.		Gallons per Minute.	Weight as drawn to fires.
	Diameter.	Stroke.	Diameter.	Stroke.	Diameter.	Height.		
Engine A...	9½	12	5½	12	34	66	600	8,150
Engine B...	11	8	4⅜	8	31	63	280	6,800
Engine C...	12	12	5	12	34	60	340	7,800
Engine D...	11	8	4⅜	8	31	60	280	6,430
Engine E...	9½	12	5½	12	34	60	340	7,800

REPAIRS TO APPARATUS.

All the apparatus in the Department was thoroughly overhauled before the parade on September 9th, and is in first-class condition.

The following are some of the principal items of repairing done:

No. 5 Engine Company, new axles on first Hose Carriage.

No. 9 Engine Company, new axles and new hind wheels on second Hose Carriage.

No. 3 Engine Company, new axles and new hind wheels on second Hose Carriage.

No. 4 Engine Company, new hind axle and new hind wheels for the engine, new axles and a set of new wheels for the Hose Carriage.

No. 11 Engine Company, the second Hose Carriage was rebuilt with a new frame, new axles, wire basket for equipments, all iron work overhauled and a set of Sarven wheels.

No. 3 Bank Ladder Truck was altered so as to carry the Bangor Extension Ladders; it was shortened seven feet between the wheels, a frame put on and rollers put in for the extension ladders to slide on

NEW APPARATUS PLACED IN SERVICE DURING THE PAST YEAR.

The apparatus of the department has been increased by the addition of one second size steam fire engine, two hose wagons, two chemical engines, two Concord wagons, two fire extinguishers, and three Siamese outfits.

STEAM FIRE ENGINE.

One second size, vertical, crane neck, double piston steam fire engine, built by the La France Company, with their improved nest flue boiler; diameter of boiler, 34 inches: height of boiler, 60 inches; diameter of pumps, $4\frac{3}{4}$ inches; diameter of steam cylinders, $8\frac{3}{8}$ inches; length of stroke, 8 inches; capacity of engine, 750 gallons of water per minute; weight when ready for service, 8,350 pounds; placed in service at No. 11 Engine Company on February 5th, 1889.

HOSE WAGONS.

One hose wagon, with a division in the centre of body, so as to run out two lines of hose at the same time, with six iron rollers for the hose to run against and on; body of wagon eleven feet long, sides of wagon eighteen inches high; Sarven wheels, and two ten-inch reflectors alongside of the driver's seat; the wagon is to be drawn by two horses, and carry fourteen hundred (1400) feet of Fabric Hose; it was built by Charles T. Holloway, and placed in service at No. 2 Engine Company, on August 29th, 1889; weight of the wagon when ready for service, 5,420 pounds.

Another hose wagon, similar to the one described above, is now being built, and will be placed in service at No. 7 Engine Company.

CHEMICAL ENGINES.

Two Chemical Engines, with double horizontal copper tanks. On one of the engines the tanks are of eighty-

five (85) gallons capacity, and on the other engine the tanks are of one hundred (100) gallons capacity; they have full platform springs, large reflectors alongside of the drivers' seats, and each engine carries three hundred (300) feet of one inch gum leading hose; the one hundred gallon tank engine has Archibald wheels on, and the eighty-five gallon tank engine has Sarven wheels on; this engine was placed in service at No. 8 Chemical Engine Company on November 15th, 1889; its weight when ready for service is 6,540 pounds.

The one hundred gallon tank Chemical Engine was received on December 21st, 1889, and will be kept in reserve; its weight when ready for service is ———— pounds; they were built by Charles T. Holloway.

OFFICERS' WAGONS.

Two new Concord wagons, painted red, with large gongs on the dashboards, one of them was for the Chief Engineer, and the other for the Superintendent of Companies in the Annex; they were built by George Coldflesh and placed in service on January 30th and February 14th, 1889.

FIRE EXTINGUISHERS.

Two five-gallon Fire Extinguishers, made of copper, were placed in service at No. 1 Engine Company on March 31st, 1889; they were built by Charles T. Holloway.

EXTENSION LADDERS.

Bangor Extension Ladders, to run up seventy-three (73) feet. They were built by the Bangor Extension Ladder Company, and placed in service at No. 3 Hook and Ladder Company on December 31st, 1889.

SIAMESES FOR LARGE STREAMS.

Two three-way Siameses with fifteen (15) feet of three and a quarter inch gum hose, a large hose pipe and iron standard; three nozzles, an inch and five-eighths, an inch and three-quarters, and an inch and seven-eighths; and one four way Siamese with fifteen feet of three and a quarter inch gum hose, a large hose pipe, and iron standard; three nozzles, an inch and three-quarters, an inch and seven-eighths, and two inches, were received on April 10th, and placed in service; the three-way Siameses at Nos. 1 and 2 Engine Companies, and the four-way Siamese at No. 3 Engine Company.

ADDITIONAL APPARATUS REQUIRED FOR THE DEPARTMENT.

Another hose wagon, similar to the hose wagons now in service, is required in place of the old hose carriage now in service at No. 9 Engine Company, and a second size steam fire engine, similar to No. 11 Engine, is needed for No. 6 Engine Company, in place of the rotary engine they have in service.

WATER TOWERS.

The water tower used by Fire Departments is an iron pipe, which is attached to and carried on a wagon

frame designed expressly for that purpose; the tower can be elevated to the height of fifty-three (53) feet; it has two adjustable nozzles that the water is thrown from; one of them is thirty five (35) feet from the ground, and the other is near the top of the tower; they are directed by a wire cord, which is held by a person standing near the base of the water tower; it is used effectively when fires occur in the top stories of high buildings, and where it cannot be reached by the other methods now in use. At the bottom of the water tower there are four receiving inlets, with valves in them to attach the hose from the engines to—two engines are generally used with two lines of hose from each engine, but, if necessary, the combined power of four engines can be concentrated in it, and large streams thrown into a building, and the nozzles being near the same elevation as the windows, could sweep the water through the room where the fire was raging and do effective work.

The water towers are now part of the equipment of Fire Departments in nearly all the large cities, and they all speak highly of the service they perform, and as this City now contains considerable high buildings. I would recommend that a water tower should be purchased; it could be kept at No. 6 Truck House until the addition is made to No. 15 Engine House, when it can be placed there, as this is a central position and near where many of the tall buildings are located.

FIRE ALARM BOXES WITH KEYLESS DOORS.

I would again recommend that keyless doors should be placed on the following boxes, which are located in the business parts of the City: 14, 124, 125, 126, 128, 131, 132, 134, 212, 241, 248, 312, 314, 316, 322, 416, 417, 419, 42, 423, 425, 43, 431, 436, 514, 52, 523 and 61—28 boxes.

By altering the doors on these boxes, when a fire is discovered the alarm can be sent in immediately, while with the locked doors there is often a delay in finding the key. We have had thirty (30) keyless boxes in service three years, and have not received any false alarms from them.

NEW FIRE ALARM BOXES.

Eight additional fire alarm boxes were put up; they are numbered and located as follows:

Box 175—Collington avenue and Gough street.
" 233—Monument and Patuxent streets.
" 239—Philadelphia road and Streeper street.
" 265—Bond and Oliver streets.
" 429—Baltimore and Calhoun streets.
" 465—Pratt and Payson streets.
" 386—Linden avenue and Whitelock street.
" 478—Franklin road and McClelland street.

Making the total number of fire alarm boxes in service 277, seven of them are private boxes, placed inside of buildings.

LOCATIONS WHERE FIRE ALARM BOXES ARE REQUIRED.

Clement and Webster streets.

Marshall and Winder streets.

Pratt and Greene streets.

Eutaw and Preston streets.

Caroline and Gough streets.

No. 15 Engine House, Lombard, near Howard street.

Calvert and Fourth streets.

North avenue and Aisquith street.

Tollgate, Liberty and Bloomingdale roads.

FIRE BOAT.

Attention has been called in the annual reports for the last sixteen years, to the urgent necessity of having a steamboat fitted up with pumps, similar to the fire boats that are used in other cities having extensive water fronts, so that the department may be able to perform service when fires occur on vessels, and a fire boat could render valuable assistance when fires occur in buildings that are near the water front, as streams from the pumps of the fire boat could do effective service through one thousand feet of hose. Our water front is several miles in extent, and fires are frequently occurring, which show the importance of affording better protection to this property, for in addition to vessels of all kinds, there are factories, storehouses, covered piers, lumber yards, grain elevators, packing houses and coal oil works. A great deal of this property

is so situated that the streams from the engines cannot do effective service, as they can only work on the fire from the land side, and when fires occur on vessels lying out from the wharves, we can do nothing to assist them. Two fires of this kind occurred during the past year. On May 21st at 1.10 A. M., the large iron steamship *Johns Hopkins*, of the Merchant and Miners' Transportation Line, while lying at pier 6, Locust Point, caught fire in the hold; the vessel was loaded with cotton, turpentine, rosin, tar and lumber; the nature of the cargo caused the fire to spread rapidly, and to prevent the fire from communicating to other steamships lying alongside and one of the grain elevators, the burning boat was towed out to the middle of the harbor, where it was soon a mass of flames. The Department could do nothing but stand on the wharfs and watch the boat burning. The loss by this fire was $192,000.

On September 10th at 2.35 A. M., the large side-wheel steamer *Theodore Weems*, of the Weems Transportation Company, while lying at Pier 8, Light street wharf, caught fire in the engine room, and was badly burned below decks and aft of the wheel houses, causing a loss of $57,760.

And on October 10th, the burning of frame and brick buildings, situated at the water's edge, foot of Hull street, Locust Point, comprising part of the Fertilizing Factory of Ober, Sons & Company; the fire started in the acid chambers, which being frame carried the fire rapidly to the other buildings, and the

three engine companies that respond on the first alarm to this section are located so far away, the nearest company being about a mile, and the other two companies more than two miles. When the engines got in service, two of the buildings and the large enclosed shed over the wharves was burning; the fire was prevented from spreading to the frame storehouse, which was separated from it by a narrow street. The loss was $104,862.71.

The aggregate loss caused by the three fires was $354,622.71, fifty (50) per cent. of which could have been saved if we had had the service of a properly constructed fire boat, when the alarms were first given for these fires.

HOUSE FOR No. 15 ENGINE COMPANY.

In compliance with an ordinance passed on April the 26th, 1889, making an appropriation of seventeen thousand (17,000) dollars to purchase a lot, and alter or build a house to accommodate No. 15 Engine Company, the property No. —— Lombard street, west of Howard street, was purchased at a cost of thirteen (13,000) dollars, leaving a balance of four thousand (4,000) dollars to make the improvements with. The lot is 36 feet front, running back the same width 174 feet to Cider alley, which is 12 feet wide. The improvements consisted of a three-story brick building 28 feet front and 40 feet deep, and a three-story brick building in the rear, eighteen feet wide. This building was taken down and a one-story brick building 57 feet deep put

up; it is 28 feet wide, the same width as the front building. The floor of the front building was lowered three feet, and a large arched doorway made in front for the apparatus. The entire building is 97 feet deep, the yard was graded down three feet, and a stone wall four feet high, with a board fence on it six feet high, was built to separate it from the adjoining property. There are six horse stalls which are placed on each side of where the apparatus stands; a hose tower fifty-four feet high was made at the side of the front building. There is one sliding-pole and a stairway leading down from the second-story, which is used as the sleeping-room. The building was completed and accepted on the 1st of November; it has since been occupied by No. 10 Engine Company, who will remain there while the improvements are being made to their house on Columbia avenue, and by the recently organized Chemical Engine Company No. 8, who will be permanently located there, and as the building is not large enough for two companies, I would recommend that an appropriation be asked for to improve the rear part of the lot, which is seventy-seven by thirty six feet, by the erection of a two-story brick building twenty-five feet, of which, on the first story, to be divided off for a sitting room, and the balance of the first story will be used for the reserve apparatus and horses, as they should be kept in a central location, so as to be quickly available when required; twenty-five feet on the second story to be divided off for sleeping and bath rooms, with two brass sliding poles leading down to the first story; the remainder of

the second story will be used as a feed loft and storeroom.

HOUSE FOR No. 16 ENGINE COMPANY.

A lot has been purchased on Second street, between Maryland avenue and Oak street. It is thirty-six feet front and one hundred and forty feet deep, with a twelve foot alley on the east side, and Hudson alley, which is twenty feet wide, on the west side. The contract has not yet been awarded to build this house.

ORGANIZATION OF THE NEW COMPANIES.

As No. 15 Engine Company is situated in the business or commercial centre of the city, and is surrounded by the largest mercantile houses, where stocks of goods, valued at millions of dollars, are stored, and manufacturing establishments employing a great number of people, it is necessary to have members enough present at all times to handle the apparatus and carry the hose to the top stories of buildings, when required, so that when fires occur there will be no cause for delay in getting to work, as every permanent member added to the force greatly tends to its effective work at fires, at a time when most needed.

I would recommend that this company be composed of twelve permanent members, as follows:

Captain, engineman, assistant engineman, hostler and eight firemen.

And that No. 16 Engine Company should be composed of six permanent and four call members, namely, captain, engineman, assistant engineman, hostler, two permanent and four call firemen.

No. 3 Chemical Engine Company will be removed from the house they now occupy on Fifth street, near Maryland avenue, which is rented by the City at $20 per month, to the same building with No. 16 Engine Company, when it is completed.

THE FOLLOWING EQUIPMENT WILL BE REQUIRED FOR THE ADDITIONAL ENGINE COMPANIES:

No. 15 Engine Company, to be located on Lombard, west of Howard street, one first size steam fire engine, one steam heater for engine, two hose wagons, three thousand (3,000) feet of three-inch hose, four horses, two for the engine and two for the hose wagon, two sets of double swinging harness, furniture and carpets for the sleeping rooms, tools for the engine room.

No. 16 Engine Company, to be located on Second street, between Maryland avenue and Oak street, one second size steam fire engine, one steam heater for engine, two hose wagons, three thousand (3,000) feet of two and a-half inch hose, four horses, two for the engine and two for the hose wagon, two sets of double swinging harness, furniture and carpets for the sleeping room, tools for the engine room.

HOSE.

One hundred and sixty-three sections, making eight thousand one hundred and fifty (8,150) feet of new hose, with couplings, of the following brands, were placed in service during the past year: 3,000 feet of Eureka triple-ply fabric hose, 2,000 feet of which was three-inch hose—this was placed in service at No. 4 Engine Company; 2,000 feet of American fire hose, double jacket; 2,000 feet of unique treated cotton hose, double jacket; 500 feet of Baker fabric hose; 550 of maltese cross gum hose, light weight, and 100 feet of cable seamless cotton hose.

There is now in service twenty-four thousand five hundred (24,500) feet of good reliable hose, twenty-three thousand and fifty (23,050) feet of which is fabric hose and one thousand four hundred and fifty (1,450) feet of gum hose, and seventeen thousand one hundred and fifty (17,150) feet of hose, gum and fabric, that is not reliable to stand more than one hundred and eighty pounds pressure. Five thousand and fifty (5,050) feet of hose, two thousand five hundred (2,500) feet of fabric hose, and two thousand five hundred and fifty (2,550) feet of gum hose was condemned and taken out of service.

Two hundred feet of one-inch hose was furnished to Chemical Engines Nos. 1 and 8, and three hundred and fifty feet of three quarter inch gum hose was furnished to Chemical Engines Nos. 2, 5 and 6.

HOSE.

COMPANY.	NEW HOSE RECEIVED.	RELIABLE FABRIC HOSE	MEDIUM FABRIC HOSE	RELIABLE GUM HOSE.	MEDIUM GUM HOSE.	CONDEMNED FABRIC HOSE	CONDEMNED GUM HOSE.
	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.
Engine Company No. 1	600	1,000	1,450	.....	450	.....	500
Engine Company No. 2	750	2,400	.....	50	500	.....	.....
Engine Company No. 3	700	2,000	350	.....	950	150	300
Engine Company No. 4	2,000	3,400	.....	.....	.....	300	.....
Engine Company No. 5	500	1,400	950	.....	950	200	150
Engine Company No. 6	500	1,000	1,300	.....	550	450	.....
Engine Company No. 7	500	1,800	1,500	.....	.....	700	200
Engine Company No. 8	300	1,600	.....	.....	900	200	400
Engine Company No. 9	500	1,100	1,300	.....	700	50	400
Engine Company No. 10	400	1,550	.....	.....	950	100	.....
Engine Company No. 11	500	1,300	.....	700	900	.....	200
Engine Company No. 12	500	500	.....	700	1,900	.....	400
Engine Company No. 13	400	2,000	1,050	.....	.....	350	.....
Engine Company No. 14	.....	2,000	500	.....	.....	.....	.....
	8,150	23,050	8,400	1,450	8,750	2,500	2,550

Eight thousand five hundred (8,500) feet of two and a-half inch hose, will be required for the Engine Companies, and five hundred feet of one-inch hose for the Chemical Engines during the year 1890.

HORSES.

There are one hundred and thirteen (113) horses in service, and, with a few exceptions, they are in first-class condition. During the past year thirty (30) horses were purchased, two of which were for the new Chemical Engine Company No. 8, and eight horses were for the annexed districts—five to replace horses sent there to work in the apparatus, and three for the superintendent of the companies in the Annex to drive, and twenty-eight (28) horses that had become unfit for the service, from various causes, were disposed of.

The horses are worked in the following manner:

Fourteen engine companies, four horses to each company	56	horses
Six hook and ladder companies, three horses to each company	18	"
Eight chemical engine companies, two horses to each company	16	"
One hook and ladder truck with two horses	2	"
Two hook and ladder trucks with one horse to each truck	2	"
Ten horses used by officers of Fire Department	10	"
Three horses used by Fire Alarm Telegraph Department	3	"
One horse used in supply wagon	1	"
Five horses in reserve	5	"
Total	113	horses

HARNESS.

All the companies are supplied with swinging harness, which is in good condition. Two sets of swinging harness were purchased for Nos. 3 and 8 Chemical Engine Companies during the past year.

ENGINE AND TRUCK HOUSES.

The houses of the department have been kept in good repair by the Inspector of Buildings. The most important work was done at the following houses:

No. 2 Engine House. Horse stalls taken down, and five new horse stalls built, new floor in engine-room, and hose tower made larger.

No. 6 Engine House, new floor put in engine-room.

No. 8 Engine House, new joists and double floor put in engine-room.

No. 11 Engine House, new joists and double floor put in engine-room, and new front doors.

No. 10 Engine House. The brick wall on east side was taken out to the foundation and rebuilt, new floor put in and horse stalls put up.

Nos. 7, 8, 9, 11 and 12 Engine Houses were painted.

No. 5 Truck House, new front doors.

No. 2 Chemical Engine House, new floor in engine-room, and large enclosed frame shed over the yard.

No. 5 and 6 Chemical Engine Houses. Large enclosed frame sheds have been built over the yards.

No. 7 Chemical Engine Company. This Company is located at Hampden, near Woodberry, in the rear part on first floor of a three-story brick building, known as Hampden Hall. They have but one room, which is divided by a partition for which the City pays twenty (20) dollars a month rent. The apparatus, one Chemical Engine and a Hook and Ladder Truck, three horses and the horse feed are crowded together in the front part of the room. The three members sleep behind the partition in rear of the apparatus. The water from the horse stalls runs in the cellar, where it stands, and the smell from it is very offensive.

I would recommend that a house of some kind, brick or frame, two-stories high, be built near the present location to accommodate this company. Attention was called to this matter in the report of 1888.

REPAIRS AND ALTERATIONS REQUIRED TO BE DONE AT THE HOUSES OF THE DEPARTMENT.

No. 3 Engine House.—The stalls where the horses are kept in the rear end of the engine-room are in bad condition and need rebuilding. They should be placed on each side of the apparatus where the horses work, as this alteration will enable the company to get out much quicker, and would be beneficial to the horses, as the space alongside of the apparatus, where two horses are required to come down to get to their places from the stalls where they now stand, is so narrow that the horses have been frequently injured by jamming together or running against the apparatus.

Hose Towers.—The hose towers at Nos. 7, 8, 11 and 12 Engine Houses are only 35 feet high, and as a section of hose is 50 feet long when it is hung up to dry, it has to be doubled over the bar it hangs on, and the turn in the hose prevents the air from circulating through them, and they cannot be properly dried, which causes the fabric hose to mildew and rot. The hose towers at the above-named houses should be built up to the height of 56 feet, so that the hose can hang straight and be properly cared for, which will add to their durability.

PERMANENT CAPTAINS AND ADDITIONAL PERMANENT MEMBERS.

The efficiency of the Department will be greatly promoted by making the captains of all the companies permanent members and having them on duty so that they will be available when their services are required, and being with their companies will prevent mistakes that are frequently made when getting in service at fires. They will also be responsible for what occurs at the houses, and the first captain arriving on the fire-ground will have command of the force present until the arrival of one of the engineers.

Another permanent member should be added to Nos. 1, 2, 3, 4, 6, 7, 8, 10, 11 and 13 engine companies. Nos. 8, 10, 11 and 13 engine companies have but four permanent members. The other engine companies have five permanent members, and when they are having their holiday (one day a month), and one of the mem-

bers is away to his meals, there is only three men present at the house to take the apparatus to a fire, as the captains, firemen and laddermen are call-members. The salary of the captain is $500 per annum, and the salary of the firemen and laddermen is $400 per annum, they are not required to stay at the houses, but must report when there is an alarm of fire, and to sleep alternately at the houses of the companies where they belong. They pursue other occupations to assist in getting a livelihood, and during the day, and up to eleven o'clock at night, at which hour the members whose turn it is are required to be at the houses of the Department, they are scattered all over the city, and when fires occur they depend on hearing the bells striking the number of the box, and after they find out where the fire is, they get to it the best way they can. Experience has repeatedly demonstrated that a number of men who can always be relied upon, are far more desirable than those who are engaged in various occupations in different sections of the city, and over whose actions but little control can be exercised except when on duty at fires; and when the companies arrive at a fire the captains are seldom present to direct their operations, and sometimes there are no members of the company present to handle the hose-pipe.

FIRES.

During the past year there were five hundred and forty-five (545) fires, causing a loss of $482,916.36. This does not include the damage caused by the fire on

steamship *Johns Hopkins*, which was burned in the middle of the harbor beyond the reach of the Fire Department, causing a loss of $190,000. The other fires that caused the greatest amount of damage was the burning of the sidewheel steamboat *Theodore Weems*, where the loss was $57,760, and the burning of Gustavus Ober, Sons & Company's fertilizing factory, where the loss was $110,450.

We are indebted to the Secretary of the Salvage Corps for the statement of the losses.

There were sixteen fires that additional force was called to, for which fourteen second alarms, three third alarms and two general alarms were sent out. There were seven (7) fires where the loss exceeded ten thousand ($10,000) dollars, as follows:

March 8th—No. 3 North Gay street, a four-story brick building, 25 by 180, running through the square to Frederick street, where it was six stories high, occupied by Morton D. Banks as a furniture factory and salesrooms. There was a large stock of finished and unfinished furniture in the building. The fire originated in the front part of the basement near the elevator, which contained varnish, excelsior and furniture, and extended to the upper stories by the elevator and stairways, completely destroying the stock and building. The four-story brick building No. 5 North Gay street, occupied by Mrs. George Beck as a furniture factory and salesroom, had part of the roof burned off and the office-

room in rear crushed by part of the wall of the burned building, which was only nine inches thick, falling on it. Several shingle roofs of houses on Frederick street were set on fire by the burning brands and slightly damaged. The first alarm was received from Box 12 at 10.43 A. M.; second alarm at 11.05 A. M.; third alarm at 11.10 A. M.; No. 13 Engine called at 11.23 A. M.; recall signal sent out at 2.51 P. M. This fire required the services of thirteen engines, five hook and ladder trucks and four chemical engines. Loss, $38,185.95; insurance, $90,250.00.

May 10th.—No. 215 West German street, four-story brick building 30 by 120 feet, running back to an alley four feet wide, occupied by Goldsmith & Runkle, dealers in paper and paper stock. The fire originated in the basement where a large stock of paper, rags, wooden dishes and wooden toothpicks were stored, and went up the open elevator, spreading in all the stories. The stock, consisting of cloths and clothing in the five-story iron front building No. 213 West German street, was damaged by smoke and some water that came through the wall. The first alarm was received from Box 414 at 9.16 P. M.; No. 3 Engine called at 9.24 P. M.; second alarm at 9.48 P. M.; recall signal sent out at 12.44 A. M. May 11th, ten engines and four hook and ladder trucks were in service. Loss, $21,857.60; insurance, $97,900.00.

May 12th—South side of Hollins street, between Monroe and Pulaski streets, four-story stone and frame

building, with a Mansard roof, 100 by 60 feet. On the south and east side of the building there was a frame stable and lumber, occupied by E. C. Casher as a wooden box factory. The building and stable were destroyed, and several piles of yellow pine lumber partly burned. The stable and several piles of lumber in the yard of Ringsdorf & Houff, which was separated from the box factory by a narrow alley, was slightly damaged; a row of buildings on the opposite side of Hollins street had glass in windows broken and paint burnt off with the heat. The first alarm was received from Box 462 at 1.23 A. M.; second alarm, 1.30 A. M.; third alarm, 1.45 A. M.; recall signal sent out at 8.33 A. M. Seven engines and three hook and ladder trucks were in service. Loss, $13,404.18; insurance, $16,750.

May 21st—Locust Point, Pier 6, Baltimore and Ohio Railroad Company's wharf, the iron steamship *Johns Hopkins*, of the Merchants' and Miners' Transportation Company, caught fire, caused by the upsetting of a lamp in the hold, which ignited some turpentine that had oozed from the barrels. The nature of the cargo, which consisted of cotton in bales, rosin, tar and turpentine in barrels, and a lot of lumber, caused the fire to spread rapidly, and to prevent it from communicating to other steamships and a grain elevator near where it was lying, the burning boat was towed out to the middle of the harbor by the steam tugboat *Transfer*, owned by the Baltimore and Ohio Railroad Company, where it was soon a mass of flames and was destroyed; the hull being made of iron it did

not sink, but was afterwards brought near the shore off Fort McHenry, and the hose from steamers Nos. 2 and 10 was carried out to it on the tug *Transfer*, and played their streams on the burning cotton seven hours. The alarm was received from Box 8 at 11.08 P. M.; recall signal sent out at 12.37 P. M., May 21st. Loss, $190,000; insurance, $159,000.

July 14th—Nos. 23 and 25 south Frederick street, southeast corner of Second street, a double four-story brick building, 60x60 feet, occupied on the upper floors by Chatterton & Webb, manufacturers of fine furniture, and on the first story by Chipman & Sons, dealers in chairs; there were several car loads of Excelsior, and a quantity of varnish in barrels, stored in the building. When the alarm was given, the flames were bursting from all the windows of building No. 25, and the smoke was so thick in the street that the apparatus could not be seen. The building and stock was badly damaged. The stock, consisting of cotton and broom corn, in the four-story brick warehouse, No. 27 south Frederick street, occupied by John G. Harryman, was damaged by smoke and water. The first alarm was received from Box 128, at 8.12 P. M., followed by a general alarm at 8.17 P. M.; the recall signal was sent out at 3.07 A. M. on July 15th. This fire required the services of 11 engines, 5 hook and ladder trucks, and 4 chemical engines. Loss, $19,279.44; insurance, $54,000.

September 10th—The large sidewheel steamboat *Theodore Weems*, of the Weems Transportation Line,

while lying at pier 8 Light street wharf, caught fire in the engine-room. The fire had gained considerable headway, for when the alarm was first given clouds of smoke and flame was coming out of the hold. Shortly after the engines got to work, and the fire was getting under control, there was an explosion in either the engine-room or hold, which caused the fire to spread, and drove the men away from their pipes. The timbers of the boat below the lower deck and the woodwork between and aft of the wheelhouses was badly burned. The first alarm was received from Box 61, at 2.35 A. M.; second alarm, 2.37½ A. M.; third alarm, 3 o'clock A. M.; recall signal sent out at 8.24 A. M. Twelve engines and four hook and ladder trucks worked on this fire. Loss, $57,760; insurance, $50,000.

October 10th—Foot of Hull street, Locust Point, two story frame building 30x100 feet; ground floor used for storing rock phosphates; upper chambers lined with sheet lead for keeping sulphuric acid in one-story enclosed frame building, 120 by 160 feet, built over the wharf for storing raw material in, and a three-story brick building, 100 by 80 feet, containing machinery, and used as the factory, occupied by Gustavus Ober, Sons & Co., manufacturers and dealers in fertilizers. The fire started in the frame building containing the sulphuric acid, and spread to the other buildings. They were destroyed, and the stock and machinery in them badly damaged. A large frame building on the opposite side of the street, used as a storehouse, and was connected to the building used as

the factory by an enclosed frame passage at the second story, was not damaged. The nearest engine company to this fire, No. 12, is about one mile, and the other two engine companies that responded, on first alarm, Nos. 2 and 10, are located more than two miles away. Starting from the City Hall, when I arrived at the foot of Broadway to go over to the fire on one of the steam ferry boats, seeing what was burning, sent my wagon after Nos. 3 and 5 engine companies. They went over on the ferry boat, and were in service when the companies that responded on the second alarm arrived, as they had to come from two to three miles. The first alarm was received from box 8 at 10.46 A. M.; second alarm at 11.05 A. M.; recall signal sent out at 8.40 P. M. 8 engines and 2 hook and ladder trucks were in service. Loss $104,862.71; insurance $126,750.

Fire Alarm Boxes where Second, Third and General Alarms were sent in from in 1889.

Boxes.	Where Located.	Date.	Second.	Third	General.	Loss.	The Officer it was sent in by
415	Baltimore and Eutaw streets.....	January 31st..	Second....	.....	.....	$ 1,637 24	Asst. Engineer W. D.
12	Baltimore and Gay streets.....	March 7th....	Second....	Third...	.....	38,185 95	Chief Engineer.
4	Baltimore and Calvert streets.....	March 14th...	Second....	.....	.....	2,483 79	Capt. No. 4 Engine Co.
171	Chester street and Canton avenue.	March 30th...	Second....	.....	.....	7,544 50	Chief Engineer.
5	German and Light streets.....	April 2d.....	Second....	.....	.....	4,044 90	Capt. No. 5 Truck Co.
51	Pratt and Light streets.....	May 8th.....	Second....	Third ..	.....	9,259 87	Chief Engineer.
414	Howard and German streets.....	May 10th....	Second....	.....	.....	21,857 60	Chief Engineer.
462	Lombard and Monroe streets.....	May 12th.....	Second....	Third...	.....	13,404 18	Asst. Engineer W. D.
512	Charles and Lombard streets.....	May 12th.....	Second....	.....	.....	6,632 95	Asst. Engineer E. D.
23	Mullikin and Eden stree's.....	June 15th. ...	Second....	.....	.....	4,005 78	Asst. Engineer E. D.
128	Lombard and Frederick streets....	July 14th....	.....	.....	General...	19,279 44	Chief Engineer.
242	Madison and Forrest streets.....	August 7th....	Second....	.....	.....	7,839 24	Asst. Engineer E. D.
512	Lombard and Charles streets.....	August 17th..	Second....	Third...	.....	9,025 28	Chief Engineer.
61	Light and Lee streets.....	Sept. 10th.....	Second....	Third...	.....	57,760 00	Chief Engineer.
151	Caroline and Lombard streets....	October 6th...	Second....	.....	.....	2,806 36	Asst. Engineer E. D.
8	Nicholson and Hull streets.....	October 10th..	Second....	.....	.....	104,862 71	Sup't of Machinery.
121	Lombard and Commerce streets...	October 25th..	Second....	.....	.....	4,193 22	Chief Engineer.
415	Baltimore and Eutaw streets.....	December 31st.	.....	.....	General...	4,000 00	Chief Engineer.

TABLE A.

Showing the number of Box Alarms by Districts for the Year 1889.

Month.	East of Charles street.	West of Charles street.	Annexed District.	Total.
January	18	21	4	43
February	11	22	2	35
March	13	15	2	30
April	14	19	1	34
May	19	16	3	38
June	16	8	1	25
July	14	12	5	31
August	10	9	3	22
September	11	11	4	26
October	19	17	4	40
November	12	14	3	29
December	15	20	5	40
	172	184	37	393

There were 172 alarms from boxes in the eastern district, which comprises all that part of the City east of the centre of Charles street, from North avenue to the centre of Lee street; 184 alarms from boxes in the western district, which comprises all that part of the City west of the centre of Charles street, from North avenue to the centre of Lee street, down Lee street to the water front, and around the water front to Gwynn's Falls, and 37 alarms from boxes in the annexed districts, which comprises the twenty-first and twenty-second wards.

TABLE B.

Showing the number of times Companies have responded to fires and transferred to the houses of other Companies, number of feet of hose laid at fires, and number of ladders used at fires.

Companies.	Number of Times Responded to Fires.	Number of Times Transferred on Alarms.	Number of Feet Hose Laid at Fires	Number of Ladders Used at Fires.	Number of Times the Extension Ladders were Used at Fires.
No. 1 Engine Co....	141	.....	24,100	....	.....
No. 2 Engine Co....	114	.....	28,400	....	.....
No. 3 Engine Co....	123	.....	28,150	....	.....
No. 4 Engine Co....	121	.....	18,650	....	.....
No. 5 Engine Co....	83	71	34,950	....	.....
No. 6 Engine Co....	140	2	25,800	....	.....
No. 7 Engine Co....	121	18	23,400	....	.....
No. 8 Engine Co....	136	39	19,800	....	.....
No. 9 Engine Co....	125	50	22,400	....	.....
No. 10 Engine Co....	123	25	16,800	....	.....
No. 11 Engine Co....	53	58	11,850	....	.....
No. 12 Engine Co....	60	54	15,500	....	.....
No. 13 Engine Co....	88	30	19,600	....	.....
No. 14 Engine Co	66	56	20,500	....	.....
No. 1 Hook & Ladder	114	.....	.....	220	12
No. 2 Hook & Ladder	143	1	.....	153	8
No. 3 Hook & Ladder	93	54	.....	100	.....
No. 4 Hook & Ladder	85	123	.....	83	4
No. 5 Hook & Ladder	72	82	.....	110	4
No. 6 Hook & Ladder	68	10	.....	190	11
			310500		

TABLE C.

Showing the Number of Alarms monthly for the year 1889.

Month.	Box Alarms.	Telephone and silent.	Total.
January	43	22	65
February	35	17	52
March	30	11	41
April	34	21	55
May	38	6	44
June	25	7	32
July	31	10	41
August	22	11	33
September	26	13	39
October	40	6	46
November	29	13	42
December	40	15	55
	393	152	545

TABLE D.

Number of fires on each day of the week for the year 1889, *and the time when they occurred.*

Days.	TIME A. M.	TIME P. M.	Total.
Sunday	33	35	68
Monday	37	38	75
Tuesday	28	58	86
Wednesday	26	51	77
Thursday	30	27	57
Friday	35	51	86
Saturday	41	45	96

There were 63 fires where there was no loss, mostly chimneys.

There were 217 fires where the loss was less than $50.00.

There were 89 fires where the loss was between $50 and $100.00.

There were 102 fires where the loss was between $100 and $500.00.

There were 32 fires where the loss was between $500 and $1,000.00.

There were 29 fires where the loss was between $1,000 and $5,000.00.

There were 4 fires where the loss was between $5,000 and $10,000.00.

There were 5 fires where the loss was between $10,000 and $20,000.00.

There was 1 fire where the loss was between $20,000 and $40,000.00.

There was 1 fire where the loss was between $50,000 and $60,000.00.

And 1 fire where the loss was between $110,000 and $115,000.00.

TABLE E.

Showing the working time of the Engines and service of the Hook and Ladder Trucks.

	ENGINES.		MEMBERS.	
	Hours.	Min.	Hours.	Min.
No. 1 Engine Co. in service....	46	25	261	15
No. 2 Engine Co. in service ...	76	40	245	50
No. 3 Engine Co. in service....	82	14	233	41
No. 4 Engine Co. in service....	48	30	238	45
No. 5 Engine Co. in service....	38	15	230	....
No. 6 Engine Co. in service....	53	....	282	....
No. 7 Engine Co. in service....	34	15	242	....
No. 8 Engine Co. in service....	35	....	213	....
No. 9 Engine Co. in service....	45	35	269	....
No. 10 Engine Co. in service....	56	8	370	....
No. 11 Engine Co. in service....	19	....	256	....
No. 12 Engine Co. in service....	43	15	296	....
No. 13 Engine Co. in service....	40	....	285	....
No. 14 Engine Co. in service....	32	....	316	....

	HOOK AND LADDER TRUCKS.		MEMBERS.	
	Hours.	Min.	Hours.	Min.
No. 1 Hook & Ladder Co. in service	132	30	184	30
No. 2 Hook & Ladder Co. in service	178	....	296	45
No. 3 Hook & Ladder Co. in service	128	....	297	45
No. 4 Hook & Ladder Co. in service	93	22	325	....
No. 5 Hook & Ladder Co. in service	210	....	302	20
No. 6 Hook & Ladder Co. in service	140	....	280	....

TABLE F.

Losses monthly, year ending December the 31*st*, 1889.

Month.	
January	$32,432 08
February	13,507 18
March	64,324 79
April	14,068 33
May	61,753 68
June	12,240 50
July	31,472 44
August	27,127 94
September	63,739 37
October	126,361 47
November	6,393 36
December	29,495 22
Total	$482,916 36

TABLE G.

Showing the number of fire-alarm boxes that each Company responds to on the first, second and third alarms.

Companies.	First Alarm.	Second Alarm.	Third Alarm.	Total Number of Boxes.
No. 1 Engine Company	56	120	53	231
No. 2 Engine Company	75	98	32	205
No. 3 Engine Company	62	74	52	188
No. 4 Engine Company	60	79	50	189
No. 5 Engine Company	57	44	102	203
No. 6 Engine Company	81	78	88	247
No. 7 Engine Company	79	138	30	247
No. 8 Engine Company	97	51	57	205
No. 9 Engine Company	81	32	51	164
No. 10 Engine Company	71	71	67	209
No. 11 Engine Company	40	16	3	59
No. 12 Engine Company	38	16	67	121
No. 13 Engine Company	63	51	38	152
No. 14 Engine Company	44	10	2	56
No. 1 Hook and Ladder Company	55	63	36	154
No. 2 Hook and Ladder Company	80	104	23	207
No. 3 Hook and Ladder Company	57	14	16	87
No. 4 Hook and Ladder Company	75	74	49	198
No. 5 Hook and Ladder Company	45	43	89	177
No. 6 Hook and Ladder Company	52	47	32	131
No. 8 Chemical Engine Company	82	....	....	....

TABLE,

Showing the loss by fires in each district monthly, for which Box alarms were sent out, and by silent fires.

Month.	Eastern District.	Western District.	Annexed District.	Silent Fires.
January ..	$ 6,744 96	$ 11,925 86	$12,880 26	$ 666 00
February..	8,414 26	3,471 18	701 16	920 00
March	50,092 02	13,759 17	78 60	395 00
April.....	7,344 22	5,164 11	.....	1,560 00
May.....	19,820 50	41,410 22	437 96	85 00
June.....	8,404 48	3,481 55	146 47	208 00
July.....	21,236 62	1,999 39	8,031 43	205 00
August ...	8,782 78	18,018 77	166 39	160 00
September.	1,512 61	61,055 75	801 01	370 00
October...	8,881 72	116,839 26	515 19	.....
November.	1,444 20	4,536 13	1,163 03	.....
December.	.....	.....	.....	.....

Number of Fires and Losses each year since the Organization of the paid Fire Department.

Year.	No. of Fires.	Losses.
1859	98	$ 350,000 00
1860	112	310,000 00
1861	115	60,000 00
1862	130	83,000 00
1863	138	120,482 33
1864	143	163,528 49
1865	163	71,358 00
1866	178	181,115 00
1867	193	293,045 00
1868	145	76,244 75
1869	187	398,259 09
1870	203	432,717 07
1871	226	475,391 00
1872	245	300,000 00
1873	265	892,628 58
1874	384	506,826 15
1875	348	608,351 30
1876	332	563,248 78
1877	420	438,715 57
1878	371	162,312 78
1879	306	192,654 54
1880	343	580,290 09
1881	324	454,773 35
1882	358	330,113 84
1883	399	561,520 00
1884	388	617,871 79
1885	474	441,743 06
1886	430	896,527 12
1887	496	1,162,359 26
1888	602	1,272,478 82
1889	545	477,329 07
The total loss by fires in 31 years has been		$13,474,884 83

SUMMARY OF SERVICE DONE AT FIRES BY THE DEPARTMENT DURING THE YEAR 1889.

Aggregate number of times the Engine Companies have responded to fires when the alarms was received from street boxes, 1514.

Aggregate number of times the Hook and Ladder Companies have responded, 590.

Aggregate number of times Engine Companies have transferred to the houses of the Central Companies when they were away at fires, 407.

Aggregate number of times the Hook and Ladder Companies have transferred, 270.

Aggregate time the Engines were working at fires, 652 hours.

Aggregate time the Hook and Ladder Trucks were in service, 882 hours.

The number of feet of hose laid at fires was 310,500 feet.

Number of ladders raised at fires, 895.

Aggregate number of hours the members of Engine Companies were in service 3,741, or 155 days.

Aggregate number of hours the members of Hook and Ladder Companies were in service at fires 1,705 or 70 days.

Number of times the fire extinguishers were used at fires: the five gallon extinguishers were used 747 times and the fifteen gallon extinguishers were used 259 times, having discharged 7,720 gallons of the solution.

CASUALTIES.

Company.	Position.	Name.	Date.	Box	Time Off Duty.	Nature of Injury.
Engine Co. No. 2	Hostler	John E. Boyd	January 2		2 days	Right foot mashed.
" " "	Fireman	Henry Hamnel	July 11		33 "	Feet sprained by a fall. [him.
" " "	Hostler	Louis Abel	October 6		3 "	Breast bruised by horse kic'ng
Engine Co. No. 4	Fireman	Wilmer West	March 27	6	61 "	Small bone in left foot broke.
Engine Co. No. 6	Substitute	Henry P. Horton	May 11	6	18 "	Left foot injured.
" " "	Substitute	James B. Meehan	June 8	25	14 "	Right arm cut with glass.
" " "	Fireman	Samuel McClaskey	July 14	128	21 "	Left ankle sprained.
Engine Co. No. 8	Fireman	Owen D. Burgess	March 3	492	10 months	Left hip-bone broken.
" " "	Engineman	Michael Walsh	September 10	48	14 days	Right arm scalded.
Engine Co. No. 9	Fireman	Lemuel Piercy	October 7	271	17 "	Left hand burned.
Engine Co. No. 11	Ass't Engm.	A. M. Mennigue	March 28		5 "	Ribs on right side broken; died
Engine Co. No. 12	Hostler	Joseph Moon	September 16		7 "	Right foot mashed. [head cut.
Engine Co. No. 14	Fireman	J. Oscar Healey	January 28	48	35 "	Collar bone dislocated and
" " "	Fireman	Charles H. Baker	" 28	48	28 "	One rib broken and head cut.
" " "	Fireman	J. Fell Stewart	" 28	48	7 "	Head cut and left leg sprained.
Hook & Ladder No. 1	Ladderman	Frederick Oelman	June 3	412	70 days	Concussion of the spine.
" " " 2	Tillerman	Charles Rolf	October 10	8	58 "	Right foot burned with sulphu-
" " " 2	Asst. Tillm'n	John Blake	March 11	431	81 "	Left ankle sprained. [ric acid.
" " " 2	Ladderman	Charles Stewart	September 10	61	2 "	Eyes burned.
" " " 2	Substitute	Charles Leer	February 23	12	16 "	Back sprained.
" " " 4	Ladderman	Wm. Meushaw	April 30	42	13 "	Right hip sprained.
" " " 5	Substitute	Peter Mullen	April 10	261	43 "	Right hand cut.
" " " 5	Substitute	John Sullivan	May 20	213	35 "	Cap of right knee injured.
" " " 5	Asst. Tillm'n	Fielding L. Lucas	November 20	348	7 "	Face cut with glass. [bruised.
" " " 6	Ladderman	George S. Taylor	August 18	71	22 "	Right shoulder and side
" " " 6	Ladderman	James T. Elliot	September 4	64	120 "	Breast, face and arms burned with coal oil.
" " " 7	Hostler	Owen McGreevey	July 7	284	7 "	Knee of right leg injured.

DEATHS.

No. 2 Hook and Ladder Company, call ladderman Richard Henrix, died on March 6th of a complication of diseases. He was 38 years of age, and had been a member of the department sixteen months.

No. 12 Engine Company, call fireman Emanuel Becker, committed suicide on March 6th by shooting himself through the head, using a pistol. He was 42 years of age, and had been a member of the department two years.

No. 11 Engine Company, assistant engineerman A. M. Mennigue, died of consumption of the lungs on April 2d. He fell down the cellar steps at the engine house five days before and broke one rib on left side, which hastened his death. He was 42 years of age, and had been a member of the department six years.

No. 11 Engine Company, Captain Andrew Perry, died of pneumonia of the lungs on November 7th, after an illness of sixteen days. He was 62 years of age, and had been a member of the department thirty years.

DISABLED AND SICK MEMBERS.

I reiterate what was said in the last annual report in regard to the necessity of having a physician, who is also a surgeon, appointed, and paid a regular salary, whose duty it would be to visit and attend members of the department when they were injured or sick, as the members are paid their salaries, and receive five dollars a week from the Relief Association when they are sick, and when disabled from injuries received at fires, they receive five dollars a week additional from the com-

pany they are insured in. When a member is off duty, and the company is run a man short, it interferes with its efficiency to the extent of one man's service, and when men are put on duty in their places it adds to the expenses. During the past year 26 members were off duty disabled from injuries received, aggregating 1,029 days, and 69 members were off duty sick aggregating 1,297 days. There is now in the department two hundred and sixty four (264) regular members, and more than one hundred (100) substitute members; as it is now, there is a surgeon and physician appointed, and when a member is injured he is allowed to make two visits, and charge three dollars a visit, which is paid by the department, and when a member goes off duty sick, the physician employed by the department makes him one visit, for which he is paid one dollar by the department, and nothing more is known of the member who is away sick or injured until he sees fit to report for duty.

COMPANIES IN THE ANNEXED DISTRICTS.

All the members of the companies in the annexed districts receive the same salary, which is six hundred dollars a year. I would recommend that a distinction be made between the pay of the captain and the other members of the company, for on him rests the responsibility for the discipline and management of the company at fires.

INFLAMMABLE OILS.

There are warehouses in the business sections where large quantities of inflammable oils, such as coal oil,

benzine, gasoline and turpentine are stored, and should a fire occur the burning oil floating on the water would run for squares, setting fire to everything in its course; and at a fire of this kind the department can do no good, for the reason that the more water is thrown the further the fire extends.

An ordinance should be passed, similar to what they have in other cities, to regulate the storage of inflammable oils in buildings where they are compactly built.

FIRE ESCAPES.

I have called attention several times in the annual reports to the defections in the law requiring fire escapes on buildings. No lives have been lost during the past year, yet a holocaust such as has occurred in other cities is likely to occur any day, owing to lack of adequate fire escapes to manufacturing establishments that are chiefly situated in the upper stories of high buildings, where the stairways, which are generally narrow and situated behind the hoistways, are the only way of exit, and in case of a fire are liable to be cut off. If the fire starts in the lower stories the draught carries it quickly up the hoistway, elevator or stairway to upper parts of the building.

A law was passed by the State Legislature requiring fire escapes to be erected where more than twenty-four (24) people were employed in the upper stories of a building over two stories in height, and also requiring proper modes of exit to buildings where large bodies of people congregate. This law will do very well to protect the people employed in large manufacturing

establishments, but gives no protection to the employees in small factories; and in some of the factories where a large number of people (mostly women and girls) are employed, the proprietors have seemingly complied with the law by putting up sliding poles, some of them on the outside and some on the inside of buildings, and ladders placed perpendicularly against buildings. Should a fire start in the lower stories and fill the building with smoke, causing a panic, how many of these people could get down safely by these so-called fire escapes?

When visiting manufacturing establishments in company with the Inspector of Buildings, for the purpose of notifying them in regard to the law requiring fire escapes, we found some buildings containing drugs, oils and other inflammable material on the lower floors, and the employees, generally girls and boys, working on the upper floors, with only one narrow stairway leading to them, and should a fire occur, they would have but a small chance of escaping with their lives, but as there was less than twenty-four (24) people employed in the building, the law did not compel the owner to put up a fire escape.

And why should a small factory, employing less than twenty-four (24) people in the fifth or sixth story of a building, be exempt from the duty of providing a fire escape, when a factory that employs twenty-five or more must provide one. The same protection should be given to all.

OVERHEAD WIRES.

The work of the department is embarrased, and the lives of the members menaced by the overhead wires, which are strung in front of buildings on all the streets in the centre of the City, and when fires occur the network of wires hinder the department when getting to work, and in that way increases the losses, and on some streets it is impossible to raise ladders to windows in the upper stories of buildings without first cutting the wires, which are getting more numerous and the poles higher, and there has been so many accounts published of people being injured and killed by coming in contact with some of these wires, that the members are afraid to handle them, and there is danger of the wires becoming crossed and setting fire to buildings they are run into.

On the night of September 9th, a wire fell over and made a connection between the electric light and fire-alarm wire, and damaged five fire-alarm boxes in the eastern section of the City.

And on October, the same thing occurred again, and all the fire-alarm boxes on No. 13, 14 and 15 circuits were cut off for several hours, four telephones destroyed and the switch board in the Central office burned. It is time that some measures were taken in regard to this important matter.

ENCLOSING HOISTWAYS, STAIRWAYS AND ELEVATORS.

An ordinance was passed by the City Council in regard to erecting guards around hoistways and other openings in the floors of buildings, to protect the lives

of firemen and policemen, as they are required to go in the buildings when filled with smoke and darkness, but the ordinance affords no protection, as it is so worded that it cannot be enforced. The law requires the Inspector of Buildings to visit the building and serve a notice on the owner or occupant. Several complaints have been made against parties where the hoistways have been found open with no guards around them, for violating the existing ordinance, but as their places had never been visited by the Inspector of Buildings, and a notice served on them to have the opening in the floor of the building enclosed, that was found open, the case was dismissed by the magistrate.

I would recommend that the City Council be requested to amend the ordinance so as to require the owners of all buildings to erect guards around hoistways and all other openings in floors, and that it be made the duty of the Police Department to enforce the ordinance.

PARADE OF THE FIRE DEPARTMENT AT THE OPENING OF THE INDUSTRIAL EXPOSITION.

At the parade on September the 9th, the apparatus of the Department was divided into five divisions. The first four divisions consisted, each, of an officer's wagon, one chemical engine, one Hayes hook and ladder truck, three steam fire engines and three hose carriages or hose wagons.

The fifth division consisted of an officer's wagon, two Hayes hook and ladder trucks, three steam fire engines, three hose carriages and one fuel wagon.

The fire insurance patrol paraded with the Fire Department. Their wagons were placed in the first and fifth divisions.

The first, second and third divisions of the Fire Department members and apparatus formed on Harrison and Baltimore streets, and the fourth and fifth divisions at Broadway and Gough street.

The route of the march was up Broadway to Baltimore street, to Eutaw street, to Madison avenue, to Boundary avenue. When the Fire Department reached Madison avenue and Biddle street, five engine and two hook and ladder companies dropped out of the line and returned to their houses. The remaining companies went to Boundary avenue.

There were in the parade 5 officers' wagons, 4 chemical engines, 6 Hayes hook and ladder trucks, 14 steam engines, 13 hose carriages, one hose wagon and one fuel wagon.

Ninety-three horses, No. 4 engine and No. 3 hook and ladder truck having in three horses abreast, 243 members, of whom 178 were marching by companies, and 65, including the ten members of the fire insurance patrol, were riding on the apparatus.

FIRE PLUGS AND WATER MAINS.

In the last year's report I called attention to several localities where the water supply is not adequate, and large fires are likely to occur, but nothing has been done in regard to remedying it. Among the most important is the section north of Saratoga street, east of Calvert street and west of Jones' Falls. This locality contains a number of large manufacturing establishments.

Boston street and south of it to the water front is covered with packing houses, factories, warehouses, mills and lumber yards. From Chester street to Clinton street, a space extending more than a mile in

length, there are not more than ten fire plugs, and but a few places where the engines can get to the water at the wharf. There should be a larger water main on Boston street and more fire plugs in the district where there is so much inflammable material, as the engines can get to work much quicker and perform better service at the fire plugs than from the docks, as the salt water causes the boilors on some of the engines to prime and loose steam, and injures the boilers.

Owing to the failure of the City Council to make an appropriation for this purpose only forty-six fire plugs were put up, making the number now in service twelve hundred and twenty-nine (1,229).

There should be double that number as the placing of fire-plugs should keep pace with the growth of the City, and the nearer the fire-plugs are located to each other, makes a saving in the wear of the hose, which is a matter of economy, for to put in a fire-plug does not cost more than fifty dollars, and requires but very little repairs. One hundred feet of hose costs about ninety dollars, and is not reliable more than three years, so it can be readily seen that it would be a great advantage if fire-plugs were placed at the corners of every square in the compactly built up sections of the City, as the more fire-plugs there is the less hose will be required.

I desire to return my sincere thanks to your honorable body for the prompt responses which you have always given to my recommendations in regard to furnishing all equipment required for the department.

Respectfully submitted,

JOHN M. HENNICK,

Chief Engineer.

LOCATION OF COMPANIES

— AND —

COMPANIES' SUPPLIES.

CHEMICAL ENGINE COMPANY No. 1.

Brunswick street, near Frederick road.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Edw'd W. Steinacher	29	Captain....	7 years .	16 Loudon avenue ..	Lumber marker.
Andrew J. McCormick	30	Hostler	5 " .	5 Lehman street...	Car driver.
Antone Yienger.....	25	Houseman .	5 months	110 Millington avenue	Laborer.

CHEMICAL ENGINE COMPANY No. 2.

Mary, near Retreat street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
James H. Merrick ...	49	Captain....	8 years .	134 Mary street	Car driver.
James K. Merriken ..	28	Hostler	17 months	Frances street ..	Driver.
James R. White.....	29	Houseman .	2 years .	103 Frances street ...	Car driver.

CHEMICAL ENGINE COMPANY No. 3.

Fifth street, near Charles.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Joseph C. McGregor.	38	Captain....	8 years .	19 Barlett avenue...	Car driver.
John W. Potts.....	32	Hostler	2 " .	3 Cottage avenue ..	Engineer.
Robt. P. McFarland.	23	Houseman .	16 months	183 Falls road.....	Car driver.

CHEMICAL ENGINE COMPANY NO. 4.

Located at Waverly, York road.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
William H. Taylor...	48	Captain	8 years ..	410 Waverly avenue..	Conveyancer.
John P. Kidd.....	26	Hostler	2 years ..	1034 York road.....	Driver.
Ralph S. Ferguson...	34	Houseman..	1 year ...	416 Waverly avenue..	Car driver.

CHEMICAL ENGINE COMPANY No. 5.

Homestead.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
John F. Mackenzie	42	Captain	1 year	27 Jackson street	Car driver.
John F. Myers	37	Hostler	5 years	13 Gorsuch avenue	Car driver.
John Lachmann	39	Houseman	2 "	32 Jackson street	Butcher.

CHEMICAL ENGINE COMPANY No. 6.

Belair avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Frank Maher	34	Captain	5 years	41 Belair avenue	Cellar digger.
Michael Farley	35	Hostler	8 months	69 Belair avenue	Car driver.
Elijah G. Kipp	36	Houseman	1 year	43 Belair avenue	Carpenter.

CHEMICAL ENGINE COMPANY No. 7.

Roland and Third avenues, Hampden.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Joseph P. Morris....	29	Captain	4 years ..	215 Roland avenue...	Blacksmith.
James J. Reynolds...	31	Hostler	1 year....	213 Roland avenue...	Car driver.
James L. Clarken....	31	Houseman .	2 years ..	226 Hickory avenue..	Blacksmith.

CHEMICAL ENGINE COMPANY No. 8.

Located at No. 15 Steam Engine House, Lombard street, west of Howard street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Wm. A. Larkins	26	Captain....	4 years...	707 W. German street	Carpenter.
John Kelly	39	Hostler	1 year....	863 Ramsey street...	Hostler.
Thos. B. Campbell...	28	Fireman....	2 months.	107 Pearl street.....	Clerk.

No. 7 TRUCK.

Waverly.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Owen McGreevey ...	32	Hostler	2 years ..	409 Calvin avenue....	Driver.

No. 8 TRUCK.

Brunswick street, near Frederick road.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
John L. Durham ...	27	Hostler	9 months.	5 Lehman street.....	Plumber.

No. 9 TRUCK.

Corner Roland and Third avenues, Hampden.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
William H. Camel...	30	Hostler	9 months	Roland avenue.....	Well Digger.

FOR 1890, ENGINE COMPANY No. 1.

Located on Paca street, north of Fayette street.

NAMES.	AGE.	POSITION.	TIME OF SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Charles E. Freburger.	42	Engineman.	14 years .	111 Pearl street.	Machinist.
Thomas H. Meushaw.	33	Ass't Eng'n	5 " .	636 W. Saratoga st..	Machinist.
Louis J. Fresch	46	Driver.....	18 " .	3 Pearl street.....	Driver.
George S. Stocksdale.	30	Fireman ...	2 " .	239 Mrytle avenue...	Huckster.
Edward R. Addison..	42	" " ...	15 " .	402 Pearl street.....	Machinist.
Members at Call.					*Occupation.*
Jacob H. Hayward...	66	Captain....	27 years .	631 W. Fayette st...	Painter.
John H. Osing	41	Firemen ...	5 " .	22 Barnet street	Tinner.
George W. Minton...	28	" " ...	4 " .	541 Dolphin street...	Packer.
Joseph Lavender	42	" " ...	17 " .	245 Pearl street.....	Carpenter.
Albert Oelmann	24	" " ...	1½ " .	325 W. German street	Blacksmith.
William C. McAfee..	25	" " ...	1 y. 10 mos	911 W. Mulberry st..	Plumber.
Wm. H. C. Laughlin.	44	" " ...	1 y. 3 "	907 W. Mulberry st..	Huckster.

ENGINE COMPANY No. 2.

Located on Barre street, west of Sharp street.

NAME.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Thos. E. Wheatley..	49	Engineman.	21 years..	646 West Lee street..	Machinist.
Daniel H. Weber....	29	Asst. Eng'n	6 months	647 Barre street.....	Machinist.
Louis Abel.....	37	Driver.....	3 years..	827 L. Greene street..	Baker.
Henry C. Hammel...	36	Fireman...	3 " ..	508 South Sharp st ..	Plumber.
Wm. R. Bolgiano....	31	" ...	2 yrs7mo	626 Warner street...	Clerk.
Members at Call.					*Occupation.*
John J. Ledden.....	39	Captain ...	12 years..	546 W. Barre street..	Clerk.
Thos. S. Rodenhi....	53	Fireman ...	30 " ..	504 S. Howard street.	Chairmaker.
James Humes.....	46	" ...	21 " ..	137 W. Lee street....	Glasscutter.
Chas. Romoser, Sr...	52	" ...	20 " ..	608 S. Sharp street ..	Plumber.
Wm. Eckert	31	" ...	2 yrs8mo	715 L. Greene street.	Brushmaker.
John E. Boyd.....	38	" ...	1 yr8mo.	738 Columbia avenue.	Driver.
Chas. Romoser, Jr...	28	" ...	7 months	16 W. Lee street...	Plumber.

ENGINE COMPANY NO. 3.

Located on E. Lombard street near High street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Thos. H. Humphreys.	48	Engineman.	17 years.	226 S. Eden street....	Machinist.
Patrick F. Moriarity.	39	Ass't Eng'n	15 "	910 E. Lombard street	Machinist.
John F. Pierce.....	46	Driver	14 "	407 N. Front street...	Baker.
William F. Pasterfield	35	Fireman....	8 "	904 Granby street....	Plumber.
Benjamin Price.....	45	Fireman....	10 "	124 S. Bond street....	Coffee roaster.
Members on Call.					*Occupation.*
Richard A. Lindsay..	46	Captain . ..	17 years.	919 Stiles street.....	Paperhanger.
James L. Lindsay....	48	Fireman ...	11 "	230 S. Exeter street..	Paperhanger.
G. Louis Schlimm....	29	"	1⅔ "	313 S. Exeter street..	Boxmaker.
Herman Fumbaugh..	33	"	1⅔ "	1408 Gough street....	Driver.
Thomas Howard.....	43	"	1⅔ "	1064 Granby street...	Printer.
William M. Burns...	34	"	9 "	1721 Gough street....	Canmaker.
Robert H. Dougherty	33	"	1 "	231 S. Caroline street.	Undertaker.

ENGINE COMPANY No. 4,

Located on Lexington street, west of North street.

NAME.	AGE.	POSITION.	TIME OF SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Frank K. Conway	38	Engineman.	17 years.	208 N. Front street.	Machinist.
John Gaffney	34	Asst. Eng'n	13 "	1102 Clifton Place	Machinist.
Andrew J. Connelly	34	Driver	10 "	411 Pine street	Driver.
Henry Bierman	27	Fireman	3 "	639 W. Fayette street	Stonecutter.
Constant Siebert	38	"	8 "	1101 Laurel street	Hostler.
Members at Call.					*Occupation.*
George W. Horton	44	Captain	28 years.	404 Colvin street	Wire worker.
George W. Bentz	49	Fireman	21 "	413 W. Lexington	Mess. to Com'rs.
James Allen	43	"	17 "	610 W. Barre street.	Printer.
Ernest W. Schultz	37	"	11 "	1347 Holland street	Tinner.
Wilmer West	46	"	20 "	524 N. High street	Tinner.
James Burke	38	"	6 "	600 Ensor street	Morocco finisher
Joseph H. Daily	37	"	9 "	14 Watson street	Stonecutter.

ENGINE COMPANY No. 5.

Located on Ann street, near Gough street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	OCCUPATION.
Permanent Employees					
Frederick L. Nelson.	42	Engineman.	15 years.	404 S. Ann street....	Machinist.
John W. Bletzer.....	26	Ass't Eng'n	1 year....	1913 Canton avenue..	Machinist.
Henry Murphy.....	38	Driver.....	10 years..	420 S. Wolf street...	Sugar Refiner.
William B. Baker...	32	Fireman ...	8 years...	208 S. Ann street....	Brass Finisher.
Joshua H. Miller....	33	Fireman ...	4 years...	124 S. Regester street.	Cigar Maker.
Members at Call.					*Occupation.*
William G. Miller...	66	Captain....	21 years.	1627 Gough street ...	House Carpenter
James F. Reilly.....	37	Fireman ...	10 " ..	1626 E. Lombard st..	Painter.
John H. Reitz.....	27	" ...	2 " ..	1841 E. Lombard st..	Merchant.
Charles E. De Witt..	39	" ...	5 " ..	2013 E. Lombard st..	Carpenter.
James T. Pearle.....	33	" ...	3 " ..	331 S. Ann street....	Tobacco Worker
William T. Disney ..	40	" ...	15 " ..	252 S. Ann street....	Bricklayer.
John G. Baker.....	40	" ...	2 " ..	311 S. Regester street	Canmaker.

ENGINE COMPANY No. 6.

Corner of Gay and Ensor Streets.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Matthew Mulligan...	51	Engineman.	19 years..	1027 Valley street....	Machinist.
Thomas F. Sexton...	35	Ass't Eng'n	18 months	936 E. Monument st..	Machinist.
John Clark.....	37	Driver.....	5 years..	158 N. High street...	Hostler.
Lawrence Blake.....	44	Fireman ...	18 years..	817 N. Gay street....	Painter.
Benjamin F. Seipp. .	36	Fireman ...	9 years..	1429 Orleans street...	Plumber.
Members at Call.					*Occupation.*
Bernard Shaw.....	57	Captain	14 years..	423 N. Exeter street..	Stonecutter.
George Mineburg....	47	Fireman....	18 "	218 N. Central ave...	Barber.
James Gallagher.....	40	"	9 "	231 N. Exeter street..	Plumber.
Charles Betz.....	36	"	5 "	428 Colvin street.....	Boot & shoe'mk
F. C. H. Berger.....	33	"	4 "	517 Ensor street.....	Saloon keeper.
Samuel McCloskey:..	42	"	3 "	408 E. Monument st..	Plasterer.

ENGINE COMPANY No. 7.

Located on Eutaw street, corner of Druid Hill avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Jacob S. Corns	37	Engineman	11 years	729 N. Eutaw street	Machinist.
Thomas S. Brown	30	Ass't Eng'n	4 "	417 W. Biddle street	Machinist.
Francis B. Hart	40	Driver	4 "	1643 Penna. avenue	Hostler.
William F. Morrow	40	Fireman	12 "	726 N. Eutaw street	Painter.
John J. Houck	39	"	10 "	731 N. Eutaw street.	Machinist.
Members at Call.					*Occupation.*
George H. Houck	61	Captain	28 years	731 N. Eutaw street.	Railroad Agent.
John H. Gildea	63	Fireman	30 "	1339 N. Gilmor street	Driver.
Louis B. Schieve	37	"	17 "	645 N. Eutaw street.	Paperhanger.
Samuel A. Seymour	29	"	4 "	1552 Boyle street	Can Maker.
John B. Bartell	25	"	15 months	1010 Granby street	Rigger.
William F. Doeppe	30	"	2 "	124 S. Greene street.	Upholsterer.

ENGINE COMPANY NO. 8.

Located on Mulberry street, east of Arlington Avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Michael F. Walsh...	38	Engineman.	15 years..	1065 W. Lexington st	Machinist.
Cornelius P. Kahan..	44	Ass't Eng'n	9 "	212 S. Calhoun street.	Machinist.
William J. Stewart..	39	Driver	14 "	424 Arlington ave....	Tinner.
G. R. Chapman	57	Fireman....	17 "	933 Mulberry street..	Shoemaker.
Members on Call.					*Occupation.*
A. J. Walter.....	52	Captain . ..	18 years..	1030 W. Saratoga st..	Cigarmaker.
Frederick Johnston..	46	Fireman ...	14 "	1010 W. Mulberry st.	Carpenter.
Charles Airey.....	38	"	5 "	380 N. Schroeder st..	Cigarmaker.
Jacob Rupp.....	32	"	1½ "	118 S. Gilmor street..	Plasterer.
Morris Rosenthal....	28	"	2½ "	1517 W. Baltimore st.	Paperhanger.
James McGlennan...	30	"	6 mont's	805 W. Lombard st..	Moulder.
John Krauss	30	"	1 day...	913 W. Saratoga st..	Tinner.

ENGINE COMPANY No. 9.

Located on Madison street, east of Broadway.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Daniel R. Rogers....	43	Engineman.	18 years..	1706 E. Madison st..	Machinist.
William H Stanton .	41	Ass't Eng'n	12 " ..	907 N. Broadway....	Machinist.
Joseph P. Kelly.....	46	Driver.....	7 " ..	904 Fawn street.....	Hostler.
James McDevitt.....	47	Fireman....	18 " ..	1705 E. Madison st..	Harness Maker.
William H. Cuddy ..	32	"	18 months	705 N. Ann street....	Driver.
Members at Call.					*Occupation.*
David H. Macaulay..	63	Captain . . .	29 years..	1211 N. Eden street..	Painter.
Solomon Uhlfelder...	46	Fireman....	18 " ..	1738 E. Madison st..	Huckster.
Charles Fry.....	37	"	13 " ..	1607 E. Madison st..	Huckster.
Lemuel Piercy	33	"	9 " ..	909 N. Bond street...	Laborer.
John H. Cruse	57	"	10 " ..	809 Ensor street	Cigar Maker.
Charles C. Neilson...	36	"	11 " ..	909 N. Chester street.	Bricklayer.

ENGINE COMPANY No. 10.

Located on Columbia avenue, near Poppleton street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John W. Walsh.....	40	Engineman.	13 years..	1115 W. Baltimore st.	Machinist.
James Nugent.....	33	Ass't Eng'n	6 " ..	419 S. Poppleton st.	Machinist.
George W. Thorpe...	39	Driver.....	9 " ..	889 Lemmon street..	Hostler.
Jesse G. Keilholtz....	44	Fireman....	16 " ..	896 W. Lombard st.	Mantel setter.
Members at Call.					
William R. Ward...	45	Captain....	18 years..	124 S. Calhoun st...	Carpenter.
William Brady.....	35	Fireman....	7 " ..	847 Columbia avenue	Cigarmaker.
Samuel W. Marker..	39	"	9 " ..	206 Arlington ave...	Carpenter.
Jacob J. Brady.....	31	" ..	4 " ..	856 Columbia ave...	Cigarmaker.
James Scott.....	35	"	4 " ..	808 Columbia ave...	Trunkmaker.
Henry Zachmen.....	36	"	1 yr 6mo	755 Hamburg street.	Cigarmaker.
William Power.....	30	"	2 years..	1610 Hanover street..	Painter.

ENGINE COMPANY No. 11.

Located on Eastern avenue, corner Patterson Park avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John Calder	43	Engineman.	19 years..	422 Patterson P'k av	Machinist.
John Lindemann	42	Ass't Eng'n	9 months	2036 Bank street	Machinist.
Lewis Battee	28	Driver	3 years..	512 S. Collington av.	Paperhanger.
H. R. Seippel	40	Fireman	15 years..	406 S. Pat'son P'k av	Barber.
Members at Call.					*Occupation.*
Michael A. Lind	28	Captain	3 years..	2124 Eastern avenue..	Coach painter.
Albert H. Geir	35	Fireman	11 "	126 S. Chapel street.	Painter.
Charles P. Nelson	47	"	13 "	2407 E. Monument st.	Carpenter.
Richard V. Pittinger.	41	"	10 "	235 S. Washing'n st.	Carpenter.
George Croucher	28	"	2 "	517 S. Ann street	Canmaker.
John Koos	27	"	2 "	2316 Canton avenue..	Canmaker.
George Shipley	32	"	1 month.	2315 Eastern avenue..	Gilder.

ENGINE COMPANY No. 12,

Located on Fort avenue, corner Johnson street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Michael Lycett.....	43	Engineman.	17 years..	1417 Battery avenue.	Machinist.
Thomas S. Atkinson.	40	Asst. Eng'n	9 "	1425 Johnson street..	Machinist.
Joseph W. Moon....	39	Driver.....	11 "	416 Fort avenue.....	Driver.
Edward C. Klessell ..	37	Fireman ...	8 "	1442 Johnson street..	Gilder.
George Stegman.....	29	" ...	3 "	1517 William street..	Laborer.
Members at Call.					*Occupation.*
Thomas Fitzpatrick..	53	Captain....	10 years..	137 Fort avenue....	Tinner.
Benj. T. Wirts.....	50	Fireman ...	21 "	44 Poultney street.	Collarmaker.
James Catterton.....	42	" ...	3 "	1460 William street..	Painter.
Thomas Voyce.....	30	" ...	9 months	542 Fort avenue....	Boilermaker.
Wm. T. A. Kirwin...	33	" ...	6 "	10 W. Fort avenue.	Tinner.
John W. Ruppert...	30	" ...	2 "	128 Weber street ...	Can capper.

ENGINE COMPANY No. 13.

Located at the intersection of Fremont street and Myrtle avenue.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John H. Deal	47	Engineman	18 years	1519 Myrtle avenue	Machinist.
John A. Bannon	46	Ass't Eng'n	12 "	425 N. Poppleton st.	Machinist.
Thomas H. Wright	35	Driver	5 "	1608 Mulberry street.	Driver.
William R. La Shone	43	Fireman	17 "	1336 N. Fremont ave.	Upholsterer.
Members at Call.					*Occupation.*
John Hoffman	42	Captain	13 years	1512 Argyle avenue	Canmaker.
Philip Bowen	38	Fireman	12 "	1112 Pennsylvania ave	Cigarmaker.
Lawrence Pistel	40	"	17 "	1544 Argyle avenue	Cigarmaker.
Wilbur Peirce	32	"	6 "	1614 Argyle avenue	Moulder.
James Keyser	46	"	6 "	658 Pitcher street	China packer.
Lee Conn	28	"	3 "	1119 Whatcoat street.	Driver.
William Lynch	24	"	10 months	1433 N. Fremont ave.	Carpenter.

ENGINE COMPANY No. 14.

Located on Hollins street, west of Monroe street.

NAME.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Samuel W. Stansbury	38	Engineman.	14 years.	1925 W. Baltimore st.	Machinist.
John Conway	34	Ass't Eng'n	7 "	1630 McHenry street.	Machinist.
William H. Dunn	38	Driver.	5 "	1839 W. Baltimore st.	Hostler.
J. Oscar Healey	54	Fireman	29 "	1710 W. Fayette st.	Carpenter.
Charles H. Baker	37	"	10 "	1928 Hollins street	Scalemaker.
Members at Call.					*Occupation.*
Wm R. E. L. Mears.	29	Captain.	7 years.	1721 W. Baltimore st.	Funeral Direc'r.
C. Allen Orem.	39	Fireman	8 "	1905 Frederick ave.	Painter.
Howard Scott	37	"	6 "	2107 W. Lexington st.	Bricklayer.
Phil. L. Brady	27	"	3 "	117 S. Payson street	Iron Worker.
J. Fell Stewart	26	"	2 "	2005 W. Pratt street.	Photographer.
Jas. B. Baldwin	34	"	4 "	1819 Frederick ave	Canmaker.

HOOK AND LADDER COMPANY No. 1.

Located on Harrison street, near Fayette street.

NAMES.	AGE.	POSITION.	TIME OF SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
John T. Harney.....	43	Tillerman..	3 years ..	143 N. Front street..	Excavator.
August Emerick.....	27	As. Till'm'n	6 " ..	1136 Laurel street ...	Coal Dealer.
John T. Mulligan....	29	Driver.....	6 " ..	14 N. Front street...	Driver
Cooper Elliott.....	35	Ladderman	2 " ..	9 S Central avenue..	Driver.
George W. Cassedy..	31	"	2 " ..	177 N. Front street..	Paper Hanger.
Martin Kirby	44	"	8 " ..	1305 E. Lombard st..	Trunk Maker.
Members at Call.					*Occupation.*
J. Albert Cassedy ...	28	Captain	6 years ..	202 N. Front street ..	Advertising Agt
Frederick Oelmann, Jr	33	Ladderman	8 " ..	14 N. Front street...	Blacksmith.
Thomas B. Strahan..	45	"	9 " ..	1209 Jackson street..	Currier.
William H. Hartman.	33	"	7 " ..	1001 E. Lombard st..	Plumber.
Wm. E. Van Rossum.	42	"	5 " ..	2002 Fairmount ave..	Driver.
Henry Durbeck.....	33	"	5 months.	225 N. High street...	Painter.

HOOK AND LADDER COMPANY No. 2,

Located on Paca street, near Fayette street.

NAME.	AGE.	POSITION.	TIME OF SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Charles Rolf	34	Tillerman	11 years	110 N. Paca street	Boxmaker.
John W. Blake	53	Asst. Till'n	19 "	212 N. Paca street	Machinist.
Thomas Montgomery.	48	Driver	19 "	119 N. Paca street	Driver.
William J. Thomas	29	Ladderman	2½ "	214 W. Cross street	Wood turner.
Charles Stuart	24	"	2 "	107 N. Paca street	Clerk.
Wm. A. Meushaw	37	"	3 "	402 N. Pearl street	Mariner.
Members at Call.					*Occupation.*
Frederick Branan	40	Captain	10 years	110 N. Pearl street	Harnessmaker.
John C. Fagan	28	Ladderman	18 months	802 Columbia avenue	Hostler.
Frederick Schafer	52	"	11 years	117 N. Paca street	China packer.
John M. Fredericks	27	"	18 months	1505 Mullikin street	Shoemaker.
Robert M. Brown	26	"	18 "	709 Hamburg street	Stove moulder.
John R. Farr	41	"	1 year	904 Hillman street	Driver.

HOOK AND LADDER COMPANY No. 3.

Located on south Ann street, near Gough street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	OCCUPATION.
Permanent Employees					
Louis Laux	33	Tillerman	10 years	211 N. Ann street	Confectioner.
John M. Douns	41	As't Tiller'n	19 "	2021 E. Fayette street	Painter.
William Baker	32	Driver	9 "	216 N. Wolfe street.	Laborer.
John McClellan	55	Ladderman	19 "	1720 Fairmount ave.	Sailmaker.
George Little	47	"	5 "	261 S. Ann street	Painter.
John Croucher	29	"	2 "	515 S. Ann street	Driver.
Members at Call.					*Occupation.*
George W. Foxwell	42	Captain	19 years	1911 Bank street	Shipwright.
Andrew German	40	Ladderman	18 "	221 S. Ann street	Painter.
John A. Sauers	41	"	10 "	212 S. Durham st	Cooper.
John R. Battee	39	"	16 "	1422 E. Lombard st.	Bricklayer
Wilton B. Clarke	28	"	3 "	21 S. Bond street	Feed store.
Peter Fink	27	"	7 months	609 N. Castle street.	Gilder.

HOOK AND LADDER COMPANY No. 4

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
William White	44	Tillerman	21 years	918 George street	Carpenter.
John J. Gill	59	Ass't Till'n.	30 "	631 W. Fayette st.	Painter.
James B. Kelley	31	Driver	3 "	1110 Etting street	Driver.
John H. Morgan	39	Ladderman.	17 "	226 Pearl street	Paperhanger.
George Wohllebar	30	Ladderman.	3 "	703 Pennsylvania av	Laborer.
John W. Kelley	28	Ladderman.	3 "	1107 Pennsylvania av	Driver.
Members at Call.					*Occupation.*
Andrew Bilson	38	Captain	9 years	633 W. Lanvale st.	Plasterer.
George W. Allen	45	Ladderman.	6 "	1121 Etting street	Painter.
Patrick Burns	39	"	6 "	507 Union street	Laborer.
Michael J. McCormick	31	"	4 "	926 N. Eutaw street.	Brass finisher.
John Krune	30	"	3 "	415 W. Hoffman st.	Shoemaker.
George W. Popp	34	"	18 months	568 Preston street	Steam fitter.

HOOK AND LADDER COMPANY No. 5.

Located on Aisquith street near Oliver.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
George W. Haskell...	44	Tillerman ..	13 years..	1318 Holland avenue.	Carpenter.
Fielding H. Lucas...	38	Ass't Till'n	9 "	1523 N. Eden street.	Type moulder.
William H. Ryan....	26	Driver	3 "	High and Hillen sts..	Driver.
William Quinn.....	39	Ladderman.	3 "	1404 Holbrook street.	Driver.
William Johns.....	35	"	18 months	1514 Harford avenue.	Bricklayer.
John B. Keene.....	50	"	25 years..	1620 Harford avenue.	Carpenter.
Members at Call.					*Occupation.*
Thomas Strahler	30	Captain	8 years..	1320 Ensor street	Tinner.
William Wiley.....	47	Ladderman.	2 "	1308 Harford avenue.	Cigarmaker.
William H. Riley ...	43	"	6 "	1316 Valley street ...	Painter.
Alex. D. Chrismer...	43	"	12 "	918 N. Eden street...	Printer.
Benjamin Fry.....	30	"	2 "	224 N. Front street ..	Driver.
Thomas Kerr.....	26	"	5 months	1007 Valley street....	Clerk.

HOOK AND LADDER COMPANY No. 6.

Located on Hanover street, corner of Ostend street.

NAMES.	AGE.	POSITION.	TIME IN SERVICE.	RESIDENCE.	FORMER OCCUPATION.
Permanent Employees					
Thomas D. O'Keefe	24	Tillerman	2 years	1343 S. Charles street	Driver.
Antone Kemp	40	As't Tiller'n	2 "	1303 Hanover street	Driver.
George D. Taylor	56	Driver	20 "	1523 S. Charles street	Driver.
William F. Beall	29	Ladderman	3 "	1112 Hanover street	Canmaker.
James Gill	44	"	8 "	8 W. West street.	Moulder.
Alfred Squires	47	"	17 "	1732 Hanover street	Carpenter.
Members at Call.					*Occupation.*
William Koehler	24	Captain	8 months	1126 Hanover street	Glass Blower.
Levin J. Broadwater	42	Ladderman	14 years	315 E. Cross street	Ship Carpenter.
Charles E. Causey	36	"	12 "	9 W. Clement st.	Canmaker.
William E. Burrier	37	"	9 "	19 W. West street	Laborer.
James T. Elliot	43	"	2 "	29 W. West street.	Carpenter.
George S. Taylor	28	"	1 month.	1506 Bird street.	Laborer.

FIRE RECORD.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
January.										
Tuesday 1	525	3.02	.....	107 Hanover street.	E. W. Cohen.	Toy & bisque figure fact'y	2.	2, 6.	Four-story brick.	Loss $342.22; recall 4.14 a. m.; overheated furnace.
Tuesday 1	353	.....	2.18	Mt. Royal ave., near Boundary ave.	P. McDonald.	Dwelling.	.....	4.	Two story brick.	Loss $77.12; recall 2.58 p. m.; sparks from chimney; extinguisher 7 Engine Co.
Tuesday 1	252	.....	7.17½	808 E. Preston street.	C. G. Hankey.	Dwelling.	.....	5.	Three-story brick.	Loss $102.10; recall 7.31 p. m.; candles set fire to a Christmas tree.
Wednesday 2	349	6.15	.....	2112 Charles street ave	H. K. Darby.	Dwelling.	3 Chemical.	5.	Three-story brick.	Loss $448.27; recall 7.22 a. m.; gas jet set fire to curtains.
Wednesday 2	154	.....	3.29	1432 Block street.	Alonzo Evans.	Dwelling.	.....	3.	Three-story brick.	Loss $10; recall 3.48½ p. m.; incendiary.
Friday 4	491	3.17	.....	8 Beck's la., near Calverton road.	John Schultze.	Butchers' sm'ke house	14. 1,2 Chemic'l	8.	Two-story brick.	Loss $225.96; recall 4.54 a. m.; meat falling in a fire made to smoke meat.
Saturday 5	425	.....	9.26	900 W. Baltimore st.	Rudolph Colen.	Dry goods store and dwelling.	.....	2.	Four-story brick.	Loss $635.87; recall 10.15 p. m.; girl falling with a coal-oil lamp, which broke; extinguishers 1, 8, and 14 Engine Cos.
Monday 7	35	1.26	.....	1000 N. Eutaw street.	Jas. Palmer. Jane Cottrill.	Drug store. Dwelling.	7, 8, 13.	4.	Three-story brick.	Loss $298.92; recall 2.30 a. m.; unknown.
Monday 7	313	11.27	.....	18 W. Franklin street.	J. R. Ridgely.	Dwelling.	....	.....	Three-story brick.	Loss none; recall 11.45 a. m.; foul chimney.

Monday	7	56	.....	6.48	S. W. cor. Cross and Race streets.	F. Flemming & Co	Oyster and fruit packing est'bmt.	2, 12.	6.	One-story brick.	Loss $3,506.88; recall 7.51 p. m.; overheated stove in office.
Monday	7	624	.....	6.56	This alarm was given	for the above	-named fire.	.....	.....	.....	Loss none; recall 10.33 p. m.
Wednesday	9	36	.....	6.32	1511 Shields alley.	L. Johnson.	Dwelling.	.....	4.	Two-story brick.	Loss $43.25; recall 6.46 p. m.; lighted lamp set fire to clothing; extinguisher 13 Engine Co.
Thursday	10	296	.....	7.24	Govanstown, Baltimore County.	H. Bach.	Dwelling.	4 Chemical.	9.	Two-story frame.	Loss $215; recall 8.16 p. m.; unknown.
Thursday	10	425	.....	11.25	886 W. Baltimore st.	William Lucas.	Saloon.	.....	2.	Three-story brick.	Loss $37.62; recall 11. 35 p. m.; unknown.
Saturday	12	521	.....	1.10	1 W. Camden street.	George Thomas.	Commission store.	.....	1.	Three-story brick.	Loss $22; recall 1.32 p. m.; defective flue.
Saturday	12	395	.....	10.15	322 Dellwood avenue, Woodberry.	Alonzo King.	Dwelling.	.....	.....	Two-story frame.	Loss $2.50; recall 10.40 p. m.; foul chimney.
Saturday	12	213	.....	11.03	301 N. High street.	Catholic Church.	Chapel, St. James' Home	.....	1, 5.	Four-story brick.	Loss $16.37; recall 11. 22 p. m.; defective flue.
Sunday	13	322	2.20	.....	408 Druid Hill avenue.	Isaac Greenebaum	Cl'thing store and dwelling	1, 7.	4.	Three-story brick.	Loss $1,138.30; recall 2.46 a. m.; unkn'wn.
Sunday	13	212	11.35	.....	620 E. Baltimore st.	M. Kock.	Jewelry store and dwelling	.....	1.	Three-story brick.	Loss $184.55; recall 11. 46 a. m.; spirit lamp fell and set fire to waste paper.
Sunday	13	159	.....	8.35	1810 Canton avenue.	Charley Kee.	Chinese l'ndry and dwelling	.....	3.	Three-story brick.	Loss $10; recall 8.55 p. m.; unknown.
Sunday	13	248	.....	11.04	351 Davis street.	H. Kreggs.	Grocery and liquor store and dwelling	4.	1.	Three-story brick.	Loss $330.77; recall 11. 59 p. m.; unknown.
Monday	14	493	.....	11.51	Windsor Mill road, near Liberty road.	Jas. Carey.	Barn and stable. Carri'ge-house	1,2 Chemic'l	8.	Two-story, stone and frame. Two-story, stone and frame.	Loss $1,575.14; recall Tuesday 15, 3.30 a. m.; unknown; no water available.
Tuesday	15	345	.....	8.54	Boundary avenue, opposite Oak street.	Maryland Central Railroad Co.	R. R. station and depot.	3 Chemical.	4.	Two-story frame.	Loss $5; recall 9.12 p. m.; unknown.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Wednesday 16	154	9.47	.....	1432 Block street.	Alonzo Evans.	Dwelling.	.....	3.	Three-story brick.	Loss $60.80; recall 10. 07 a. m.; unknown.
Saturday 19	418	.....	5.52¾	N. E. cor. Eutaw and Lexington streets.	Sites & Gallagher.	Drug store.	.....	2.	Four-story brick.	Loss none; recall 6.02 p. m.; explosion of gas in the cellar.
Monday 21	423	12.35	.....	655 W. Baltimore st.	P. Link, Jr.	Saloon and dwelling.	.....	2.	Three-story brick.	Loss $220.31; recall 12. 50 a. m.; unknown.
Monday 21	521	.....	4.41½	12 and 14 E. Camden street.	Maryland Grange Agency.	Storage warehouse.	.....	1.	Four-story brick.	Loss $31; recall 5.02 p. m.; defective flue.
Tuesday 22	236	1.40	.....	3133 E. Fayette street.	S. B. Hill.	Dwelling.	5, 9, 11.	3.	Two-story frame.	Loss $3,655.06; recall 4.34 a. m.; coal-oil lamp set fire to a Christmas tree.
				3135 E. Fayette street.	P. Spitznagel.	Dwelling.			Two-story frame.	
				3137 E. Fayette street.	George Mason.	Dwelling and groc'ry st're			Two-story frame.	
				3139 E. Fayette street.	J. H. Diggs.	Dwelling.			Two-story brick.	
Tuesday 22	313	.....	4.01	506 Cathedral street.	Dr. E. S. Welch.	Dwelling.	.....	4.	Four-story brick.	Loss $3,525.35; recall 4.54 p. m.; sparks from open grate falling on the floor; exting'h'r 7 Engine Co.
Tuesday 22	64	.....	1106½	Pratt's wharf, Spring Gardens.	Schooner-rigged scow, "Mary A. McAbee."	.....	12.	6.	.....	Loss $150; recall Wednesday January 23, 12.22 a. m.; overheated stove.
Wednesday 23	142	1.27	.....	914 Eastern avenue.	Jas. Boyd.	Saloon and dwelling.	3, 5.	3.	Three-story brick.	Loss $73.35; recall 1.49 a. m.; unknown.
Wednesday 23	251	7.35	.....	1062 Aisquith street.	Roman Catholic Church.	St. James' School for Boys.	9.	5.	Three-story brick.	Loss $13.05; recall 8.26 a. m.; overheated furnace.
Wednesday 23	65	8.45	.....	Foot of Leadenhall st.	A. L. Thompson.	Chemic'l manufactory.	.....	6.	Two-story frame.	Loss $25; recall 8.59 a. m; bursting of a carboy of acid.

Thursday	24	419	10.55	.....	304 Saratoga street.	Herman Vogler.	Dwelling.	.....	2.	Three-story brick.	Loss $82.30; recall 11. 10 a. m.; overheated stove set fire to a lounge.
Thursday	24	182	.....	11.45	2316 Boston street.	T. H. Tankersley & Co.	Provis'n store	11.	3.	Three-story brick.	Loss $231.85; recall Friday, January 25, 12.25 a. m.; overheated stove set fire to woodwork.
Saturday	26	181	12.13	.....	3142 Elliott street.	M. Kruepple.	Cigar store and dwelling	11.	3.	Three-story brick.	Loss $1,333.97; recall 1.42 a. m.; overheated stove in the store.
Saturday	26	24	11.55	.....	469 N. Gay street.	G. Knobloch.	Grocery store.	6.	1.	Two-story and attic brick.	Loss $254.84; recall 12. 55 p. m.; overheated furnace.
Saturday	26	48	.....	1127½	Wilkens street, near Frederick road.	Charles L. Blumhardt.	Butcher and slaughter house.	8, 10, 14. 1,2 Chemic'l	2, 7.	Four-story brick.	Loss $10,551.27; recall Sunday, 27th, 4.17 a. m.; unknown.
Sunday	27	48	7.24	.....	The above-recorded	fire rekindled.	.....	1 Chemical.	7.	.....	Loss none; recall 9.36 a. m.; when responding to this alarm No. 14 Engine Co.'s hose carriage was upset on the Frederick rd., and the following-named members were injured, viz: Houseman Chas. H. Baker, rib broken and thigh cut; Houseman J. Oscar Healey, head cut and leg bruised, and Callman J. T. Stewart head cut.
Monday	28	322	.....	10.24	422 Druid Hill avenue.	Max Kunosshy.	Tailor shop and dwelling	.....	.....	Three-story brick.	Loss $225; recall 10.31 p. m.; lighted gas set fire to shelf; extinguisher 7 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 29	21	.....	8.40	418 E. Saratoga street.	S. Kinnear, Jr.	Stable and carriage fctry.	.....	1.	Three-story brick.	Loss $75; recall 9 p. m.; overheated stove; extinguisher 4 Engine Co.
Wednesday 30	24	1.48	.....	459 N. Gay street.	J. Lowenthal.	Dwelling and china ware store.	4, 6.	1, 5.	Three-story brick.	Loss $393.25; recall 2.55 a. m.; hot coals falling on floor.
Thursday 31	415	.....	5.23¾	416 W. Baltimore st.	T. S. Carroll.	Liquor store.	1.	1, 2.	Four-story brick.	Loss $1,637.24; recall 6.32 p. m.; unkn'wn.
2d alarm. February.	....	.....	5.28½	416 W. Baltimore st.	C. J. Carroll.	Cigar factory.				
Friday 1	315	3.34	.....	104 W. Monument st.	Dr. D. Fitzgerald.	Dwelling.	.....	4.	Four-story brick.	Loss $67.37; recall 3.57 a. m.; defective flue.
Friday 1	42	.....	12.42	124 N. Paca street.	Mrs. Kaufman.	Dwelling.	1.	2, 4.	Two-story brick.	Loss $260.09; recall 1.28 p. m., sparks from chimney.
Friday 1	42	.....	1.41½	122 N. Paca street.	R. Rouse.	Dwelling and saloon.	.....	2.	Three-story brick.	Loss none; recall 1.49 p. m.; soot falling through stove-pipe.
Friday 1	159	.....	2.20	602 S. Broadway.	T. M. Roberts.	Grocery store and dwelling	.....	.....	Three-story brick.	Loss $414.15; recall 2.45 p. m.; candle set fire to Christmas tree; extinguishers 3 and 5 Engines and 3 H. and L. Cos.
Friday 1	365	.....	4.44½	949 Pennsylvania ave.	C. Lefevre.	Dwelling and notion store	.....	4.	Three-story brick.	Loss $70.95; recall 5.08 p.m; overh'td stove
Saturday 2	45	10.13	.....	933 W. Mulberry st.	O. D. Burgess.	Dwelling.	.....	4.	Three-story brick.	Loss $170; recall 10.49 a m; unknown.
Saturday 2	218	.....	1147½	817 E. Baltimore st.	Katzen & Spiro.	Notion store.	3, 4.	1, 3.	Three-story brick.	Loss $3,548.50; recall Sunday, 3d, 12.23 a. m.; overheated stove

Sunday	3	48	.....	10.07	Landwehr lane, near Frederick road.	John H. Cox.	Dwelling.	1 Chemical.	8.	Two-story brick.	Loss $385.84; recall 11 10 p. m.; explosion of coal-oil lamp.
Tuesday	5	121	.....	11.07	119 Commerce street.	Wagner, Iverson & Roundtree.	Sugar and coffee wareh'se.	.....	.....	Four-story brick.	Loss $200.65; recall 11. 36 p. m.; unknown; extinguishers 3 and 4 Engines and 1 H. and L. Cos.
Wednesday	6	423	.....	5.59¼	739 W. Baltimore st.	J. E. Schiveren.	Millinery st're and dwelling	.....	.....	Three-story brick.	Loss $546.68; recall 6. 22 p. m ; unknown; extinguisher 2 H. and L. Co.
Thursday	7	356	.....	2.01¼	1716 Bolton street.	N. M. Harrison.	Dwelling.	.....	.....	Three-story brick.	Loss $57.55; recall 2.36 p. m.; defective flue; extinguisher 4 H. and L. Co.
Saturday	9	19	.....	3.59	Eastern avenue extnd.	City of Baltimore.	Ice-h'use, Bay view Asyl'm	2 Chemical. Co. Depart.	3.	One-story brick.	Loss $250; recall 5.23 p. m.; unknown.
Saturday	9	425	.....	9.42	886 W. Baltimore st.	Emma Thater.	Dwelling.	.....	.....	Three-story brick.	Loss $154.92; recall 10. 09 p. m.; overheated stove; extinguisher 2 H. and L. Co.
Sunday	10	26	3.14	.....	825 N. Eden street.	Henry Wittmer.	Boot and shoe store.	3, 6, 9.	1, 5.	Three-story brick.	Loss $3,623.01; recall 4.57 a. m.; supposed overheated stove.
Wednesday	13	4	.....	1.52½	208 E. German street.	Merchants' Club.	Restaurant & dining rooms	....	1.	Four-story brick.	Loss $10; recall 3.16½ p. m.; defective flue.
Thursday	14	425	1.26	.....	824 W. Baltimore st.	H. Suist.	Notion store and dwelling	1.	2.	Three-story brick.	Loss $877.40; recall 2. 17 a. m.; unknown.
Thursday	14	47	3.19	.....	216 N. Bruce street.	L. Hagenbacker.	Dwelling.	14.	2.	Two-story brick.	Loss $283.06; recall 3. 47 a. m.; overheated stove.
Friday	15	393	.....	4.53½	108 Chestnut street, Mt. Vernon.	H. M. Cleary.	Dwelling.	7 Chemical.	9.	Three-story brick.	Loss $63.90; recall 5.26 p. m.; children playing with matches.
Saturday	16	63	6.20	.....	1246 William street.	Ambrose Fought.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 6.30 a. m.; gasoline leaking from stove; nothing in service.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Sunday 17	452	.....	8.13	1417 W. Saratoga st.	P. Fillinger.	Dwelling.	.....	.....	Three-story brick.	Loss $30; recall 8.29 p. m.; foul chimney.
Sunday 17	425	.....	9.46	16 Amity street.	D. Walters.	Boot and shoe store.	.....	.....	Three-story brick.	Loss $110.75; recall 10 p. m.; overheated stove; extinguisher 2 H. and L. Co.
Wednesday 20	349	.....	12.20	Maryland avenue, near Fifth street.	W. E. Hooper & Sons.	Wagon loaded with cotton.	7. 1 Chemical.	5.	.....	Loss $251.42; recall 1. 55 p. m.; unknown.
Thursday 21	631	.....	3.06	6 W. West street.	Julia Wilson.	Dwelling.	.....	6.	Three-story brick.	Loss $30; recall 4.06 p. m.; defective flue.
Friday 22	214	.....	7.48	120 N. Chestnut street.	Jas. Duffy.	Dwelling.	.....	1.	Two-story frame.	Loss $35; recall 8.12 p. m.; supposed coal-oil lamp explosion; Jane Harris found dead in the room with her clothes burned.
Friday 22	143	.....	9.03	205 S. Eden street.	N. Bristoe.	Dwelling.	.....	.....	Three-story brick.	Loss $207.15; recall 9. 27 p. m.; coal-oil lamp explosion; extinguisher 1 H. and L. Co.
Saturday 23	65	8.15	.....	1722 S. Charles street.	G. Herzberger.	Dwelling.	.....	6.	Two-story brick.	Loss $35; recall 8.57 p. m.; defective chimney.
Saturday 23	12	10.29	.....	11 N. Gay street.	H. Rich.	Furnit're st're	.....	.....	Four-story brick.	Loss $71.90; recall 11. 07 a. m.; overheated stove-pipe; extinguishers 4 Engine and 1 H. and L. Cos.

Saturday	23	71	.....	1.24	1550 Burrough street.	T. Lanch.	Dwelling.	.....	6.	Two-story brick.	Loss $22.50; recall 1. 36 p. m.; overheated stove.
Saturday	23	421	.....	5.42½	227 Myrtle avenue.	J. A. Knell.	Dwelling.	.....	2.	Three-story brick.	Loss $74.56; recall 6. 07 p. m.; sparks from stove-pipe.
Saturday	23	413	.....	7.04	204 Marion street.	Belle Jones.	Dwelling.	.....	1, 2.	Three-story brick.	Loss $159.20; recall 7. 39 p. m.; overheated stove; extinguishers 1 and 7 Engine Cos.
Monday	25	421	6.19	.....	653 W. Mulberry st.	None.	Not occupied.	1, 8.	2.	Three-story brick.	Loss $159.20; recall 6. 25 a. m.; incendiary; thermometer was 2° above zero; plugs were frozen.
Monday	25	514	.....	6.30	205 S. Paca street.	Ulman & Winkle.	Sale stable.	.....	.....	Two-story brick.	Loss $60; recall unknown; loose hay burned; box was pulled, but alarm was not received at Central Office.
Tuesday	26	251	9.44	.....	822 E. Eager street.	A. Shanks.	Dwelling.	.....	5.	Three-story brick.	Loss $25; recall 10.10 a. m.; defective chimney.
Tuesday	26	13	.....	4.30	714 E. Pratt street.	J. E. Hopper.	Clothing store and dwelling	.....	1.	Two-story brick.	Loss $28.50; recall 4.45 p. m; foul chimney.
Wednesday March.	27	436	10.53	.....	Cider alley, between Eutaw and Paca sts.	S. Winternitz.	Stable.	.....	.....	Two-story brick.	Loss $302.53; recall 11. 59 a. m.
Saturday	2	319	.....	9.44	905 N. Charles street.	Julian White.	Dwelling.	.....	4.	Four-story brick.	Loss none; recall 10 p. m.; foul chimney.
Sunday	3	491	4.40	.....	Garrison lane, near Baltimore street.	None.	Unoccupied.	14. 1 Chemical.	2, 9.	Two-story frame.	Loss $68.60; recall 6.40 a. m.; unknown.
Tuesday	5	418	.....	8.56	227 W. Lexington st.	Louis Weglein.	Dry goods and cloak store.	1.	1, 2.	Four-story brick.	Loss $8,908.89; recall 10.15 p. m.; unk'wn.
Friday	8	12	10.42	.....	3 N. Gay street.	M. D. Banks.	Furnit're st're	1, 2, 3, 4, 5.	.....	Four-story brick.	Loss $38,185.95; recall Saturday, 9th, 2.51 a. m.; supposed spontaneous combustion.
2d alarm.		...	11.05	.....	5 N. Gay street.	M. D. Banks.	Furnit're st're	6, 7, 8, 9, 10.		Four-story brick.	
3d alarm.		....	11.11	.....	7 N. Gay street.	George Beck.	Furnit're st're	12, 13.		Four-story brick.	
No. 13 Engine Co.			11.23 called								
No. 1 Chemic'l Eng			1158½ called								

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Saturday 9	623	11.25	.....	806 S. Charles street. 808 S. Charles street.	W. Denny.	Carpet store.	2.	6.	Three-story brick.	Loss $175; recall 12.05 p. m.; hot ashes in a wooden vessel.
Sunday 10	42	4.28	.....	512 W. Lexington st.	L. Zitzer.	Saloon and dwelling.	.....	2.	Three-story brick.	Loss $38.50; recall 4.41 a. m.; cigar laid on a chair next to some clothing.
Monday 11	431	2.11	.....	740 Ryan street.	P. Schrim.	Grocery store and dwelling	.....	2.	Three-story brick.	Loss $194.61; recall 2.53 a.m ; unk'wn; extinguisher 1 Engine Co.
Monday 11	463	7.32	.....	424 S. Parrish alley.	F. Slizewski.	Dwelling.	.....	2.	Two-story brick.	Loss $183.26; recall 8. 10 a. m.; unknown; extinguisher 10 Engine Co.
Monday 11	463	11.34	.....	1600 Cole street.	C. Collins.	Dwelling.	.....	.....	Two-story brick.	Loss $10; recall 11.48 a. m.; children playing with matches.
Tuesday 12	492	.....	12.32	Baltimore street and Garrison lane.	Enterprise Brewing Company.	Ice storage house.	1 Chemical.	8.	Two-story brick.	Loss $10; recall 1.27 p. m.; incendiary.
Wednesday 13	523	12.00	noon.	430 W. Conway street.	W. M. Kenny.	Stable.	1, 2.	2.	Two-story brick.	Loss $178.59; recall 12. 34 p. m.; sparks from chimney blowing in the loft.
Wednesday 13	174	.....	8.45	248 S. Collington ave.	John Welch.	Dwelling.	.....	3.	Three-story brick.	Loss $15; recall 9 p.m.; lighted match falling among clothing.
Thursday 14	526	1.49	.....	126 Perry street.	Frank Banks.	Dwelling.	.....	6.	Three-story brick.	Loss $125; recall 2.15½ p. m.; falling of a stove-pipe; extinguishers 1, 2, and 10 Engine Cos.

Thursday	14	482	2.15	.....	2120 Christian street.	Phillip English.	Dwelling.	.....	2, 9.	Three-story brick.	Loss $154.79; recall 2. 48 a. m.; coal-oil lamp explosion.
Thursday	14	4	2.54	.....	14 S. Calvert street.	J. Gminder.	Dealer in military goods.	1, 3, 4. 3 Chemical.	1, 2, 5.	Three-story brick.	Loss $2,483.79; recall 4.50 a. m ; unkn'wn.
2d alarm.	....		3.00	.....							
Thursday	14	526	.....	10.25	433 W. Camden street.	Kuehborth & Sons	Furniture factory.	.....	2.	Four-story brick.	Loss none; recall 10.37 p. m.; greasy rags in a stove.
Saturday	16	426	5.28	.....	1235 W. Baltimore st.	T. H. Boyer.	Tobacco and cigar store.	8.	2.	Three-story brick.	Loss $985.10; recall 5. 54 a. m.; coal-oil lamp falling over.
Sunday	17	184	4.36	.....	Boston street, near Harris' Creek.	Geo. G. Tyler & Co	Saw-mill.	11.	3.	Two-story brick.	Loss none; recall 5.32 a. m.; unknown.
Sunday	17	425	.....	6.08½	840 W. Baltimore st.	N. Rupp.	Stat'nery st're and dwelling	1, 14.	2.	Three-story brick.	Loss $791 98; recall 7. 25 p. m.; defective chimney.
Tuesday	19	151	6.30	.....	1531 E. Pratt street.	H. Liedlick.	Bakery and dwelling.	.....	3.	Three-story brick.	Loss $120; recall 6.50 a. m.; heat from furnace; extinguisher 3 Engine Co.
Wednesday	20	415	5.59	.....	413 W. Lombard st.	L. Krump.	B'rding house	.....	.....	Three-story brick.	Loss $25; recall 6.09 a. m.; supposed by rats nibbling matches; extinguishers 1 Engine and 2 H. and L. Cos.
Friday	22	162	2.33½	.....	922 Fell street.	John Wooford.	Saw-mill and wood-yard.	5, 11.	3.	Two-story frame.	Loss $244.89; recall 3. 37 a. m.; overheated boiler.
Sunday	24	253	.....	7.36	1627 N. Spring street.	L. Katzmyer.	Dwelling.	.....	.....	Two-story brick.	Loss $104.10; recall 8. 05 p.m.; explosion of coal-oil lamp; extinguishers 9 Engine & 5 H. and L. Cos.
Monday	25	238	1.48½	.....	931 N. Gay street.	Anton Sloma.	Shoe store and dwelling.	.....	.....	Three-story brick.	Loss $138; recall 2.07 a. m.; overheated coal-oil lamp; extinguishers 6 and 9 Engine and 5 H. and L. Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

DATE.	BOX.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tuesday 26	521	10.33	.....	320 Light street.	D. Fehsenfeld.	Cigar store & factory.	2, 4.	1, 2.	Four-story brick.	Loss $1,988.45; recall 11.25 a. m.; sparks from stove.
Tuesday 26	314	.....	4.15	813 E. Fayette street.	Simon Falck.	Dwelling.	3, 4, 5, 6.	1, 5.	Two-story brick and attic.	Loss $558.29; recall 5. 17 p. m.; sparks from a smoke-stack in the rear.
				815 E. Fayette street.	A. Hancock.	Dwelling.			Two-story brick and attic.	
Wednesday 27	241	7.12	.....	420 N. High street.	Washington Gasoline Light Co.	Storage house and stable.	3, 4, 6, 9.	1, 5.	Two-story brick.	Loss $510; recall 8.23 a. m.; unknown.
Wednesday 27	6	.....	7.47	105 Light street.	Rothrock & Stebbins.	Pl'mb'rs' supply store.	4.	1.	Two-story brick.	Loss $44.30; recall 8.13 p. m.; overheated stove.
Thursday 28	12	.....	7.14	19 S. Gay street.	H. Richardson.	Saloon.	.....	1.	Three-story brick.	Loss $143.20; recall 7. 27 p. m.; explosion of gasoline stove.
Saturday 30	171	.....	9.42	2107 and 2109 Eastern avenue.	Luke Swift.	Storage for grain & feed.	.....	.....	Four-story brick.	Loss $7,544.50; recall Sunday, 31st, 2 27 a. m.; unknown.
2d alarm.	....	.....	9.53							
April.										
Tuesday 2	514	4.00	.....	Caused by police officer pulling the fire-alarm box instead of patrol box.	.....	.....	.....	.....	.....	Loss none; recall 4.14 a. m.
Tuesday 2	5	.....	7.22	18 E. German street.	C. E. Thompson & Co.	Oil store.	1, 2, 3, 4.	1, 2, 3.	Four-story brick.	Loss $4,044.90; recall 9.30 p. m.; unkn'wn.
2d alarm.	....	.....	7.27½		G. S. Robinson.	Embroidering factory.	6, 7. 10.			
Wednesday 3	52	.....	1122½	218 W. Conway street.	W. J. Wickham & Co.	Bottling establishment.	1, 2.	2, 6.	Two-story brick.	Loss $170.70; recall Thursday, 4th, 12.10 a. m.; sparks from chimney.

Thursday	4	154	.....	11.17	911 S. Caroline street.	H. Phillips.	Dwelling.	.....	.....	Three-story brick.	Loss $25; recall 11.47 p. m.; unknown; extinguishers 9 and 11 Engine Cos.
Friday	5	415	.....	8.48	N. W. cor. Baltimore and Eutaw streets.	Charles S. Wood.	Hotel, Eutaw House.	.....	2.	Six-story brick.	Loss $10; recall 8.57 p. m.; lighted match thrown amongst waste paper.
Saturday	6	65	9.14	.....	1744 S. Charles street.	Susan Hess.	Dwelling.	.....	6.	Two-story brick.	Loss none; recall 9.43 a. m; defective flue; extinguisher 12 Engine Co.
Saturday	6	313	.....	7.09	18 E. Franklin street.	J. Pennington.	Dwelling.	.....	4.	Four-story brick.	Loss none; recall 7.38 p. m.; foul chimney.
Sunday	7	393	8.50	.....	Second avenue, Hampden.	William Snyder.	Dwelling.	.....	9.	Three-story frame	Loss none; recall 9.05 a. m.; foul chimney.
Sunday	7	218	11.28	.....	910 E. Baltimore st.	Wah Ling.	Laundry.	.....	1.	Three-story brick.	Loss $2.75; recall 11.53 a. m.; defective flue.
Monday	8	257	.....	1.03	1545 Asquith street.	A. B. Smith.	Dwelling.	.....	5.	Three-story brick.	Loss $57.68; recall 1.21 p. m.; defective flue.
Tuesday	9	237	.....	7.32	2010 Orleans street.	J. O'Donnel.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 7.49 p. m.; explosion of coal-oil lamp.
Wednesday	10	261	.....	7.33	1219 E. Chase street.	J. Kinnear.	Stable.	6, 9.	5.	Two-story frame.	Loss $152.90; recall 8.
					1221 E. Chase street.	J. M. Hertell.	Stable.	.....		Two-story frame.	31 p. m.; falling of a
					1223 E. Chase street.	F. Loesch.	Stable.	.....		Two-story frame.	coal-oil lamp.
Friday	12	42	.....	1.00	413 W. Fayette street, in the rear.	Dr. W. H. Crim.	Stable.	1.	2.	Two-story brick.	Loss $14.50; recall 1.23 p. m.; party smoking in loft set fire to loose hay.
Sunday	14	156	4.04	.....	1645 Thames street.	David Gamble.	Saloon and b'rding ho'se	5.	3.	Three-story brick.	Lose $617.56; recall 4. 58 a. m.; unknown.
Sunday	14	371	.....	6.12	Gilmor and Townsend streets.	Prot. Episl. Congregation.	Church.	.....	.....	One-story frame.	Loss none; recall 6.34 p. m.; back draft of flue filled the church with smoke.
Tuesday	16	513	.....	2.36¾	105 S. Liberty street.	Gallilean Fishermen.	Place of worship.	1, 2.	1, 2.	Four-story brick.	Loss $769; recall 3.14 p. m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 16	264	.....	7.01¾	1409 McElderry street.	H. Levie.	Dwelling.	.....	5.	Two-story brick.	Loss $15.50; recall 7.15 p. m.; explosion of a coal-oil lamp.
Tuesday 16	426	.....	10.03	16 S. Stockton street.	J. Sheppard.	Dwelling.	8. 2 Chemical.	2.	Three-story brick.	Loss $289.55; recall 11 p. m.; explosion of a coal-oil lamp.
Wednesday 17	423	11.47	.....	2. S. Arch street.	A. Lemcke.	Office.	.....	2.	One-story brick.	Loss $52 85; recall 12. 03 p. m ; gasoline stove leaking.
Wednesday 17	314	.....	9.40	413 N. Eutaw street.	Wheeler & Foos.	Boot and shoe store.	7.	2, 4.	Three-story brick.	Loss $997.64; recall 10. 05 p. m.; unknown.
Saturday 20	56	8.41	.....	931 Bevan street.	M. Trustwein.	Dwelling.	.....	6.	Three-story brick.	Loss $72; recall 8 55 a. m.; chemicals on a stove boiling over; extinguisher 2 Engine Co.
Saturday 20	475	11.25	.....	619 Kirby's lane.	John Tighe.	Dwelling.	.....	4.	Three-story brick.	Loss $97.65; recall 12. 10 p. m.; sparks from chimney.
Sunday 21	252	12.16	.....	Opposite Greenmount avenue between Oliver and Federal streets.	Patrick Kelty.	Stable.	6. 3 Chemical.	5.	Two-story frame.	Loss $110; recall 2.13 a. m.; unknown.
Sunday 21	516	.....	9.20	Ostend street, near Eutaw street.	W. Baker & Bros.	Glass-bottle man'factory	2.	6.	Two-story frame.	Loss $25; recall 10.50 p. m.; heat from furnace.
Monday 22	159	1.40	.....	1631 Canton avenue.	J. Milliman.	Clothing and notion store.	11.	3.	Three-story brick.	Loss $1,872.93; recall 2.33 a. m.; overheated stove pipe.

Monday	22	159	4.09	.....	1629 Canton avenue.	George Jaffay.	Grocery store and dwelling	.....	3.	Three-story brick.	Loss $130 00; recall 4.54 a. m.; lot of matches burned from heat of fire of adjoining house three hours previous
Monday	22	42	.....	6.32	409 W. Lexington st.	Fisher & Beck.	Cigar and tobacco store.	.....	2.	Three-story brick.	Loss $877.27; recall 6.59 p. m.; unknown; extinguisher 1 Engine Co.
Wednesday	24	123	.....	6.27	413 E. Lombard street.	Rennous & Kleinle	Bleaching h'se	.....	1, 3.	Four-story brick.	Loss $15; recall 6.51 p. m.; overhe'ted st've; extinguishers 3 and 4 Engine Cos.
Thursday	25	712	3.50	.....	Fifth lane, near Jackson street.	H. W. Ellicott & Sons.	Iron foundry.	.....	6.	Two-story frame.	Loss $10; recall 4.27 a. m.; overheated oven; extinguisher 12 Engine Co.
Thursday	25	526	4.00	.....	228 W. Camden street.	M. Farley.	Restaurant & b'rding h'se.	.....	2.	Three-story brick.	Loss $100.75; recall 4.12 a. m.; unknown.
Friday	26	61	.....	7.09¼	107 York street.	John Wolfrum.	Wagon fact'ry	2, 12.	6.	Two-story brick.	Loss $948.61; recall 8.03 p. m.; unknown.
2d alarm.		.....	.....	7.15							
Sunday	28	423	6.04	.....	747 W. Baltimore st.	J. Neise.	Shoe store.	.....	2.	Four-story brick.	Loss $723.59; recall 6.27 a. m.; unknown; extinguishers 1, 8, and 10 Engine Cos.
Monday	29	42	8.52	.....	123 N. Paca street.	G. Schweckendike	Stable.	1.	2.	Two-story brick.	Loss $5; recall 9.01 a. m.; sparks from chimney.
Monday	29	125	.....	11.45	Foot of Commerce st.	U. S. Government.	Revenue cutter Guthrie.	4.	1, 3.	.....	Loss $300; recall Tuesday, 30th, 1.25 a. m.; overheated furnace.
May.											
Wednesday	1	514	.....	8.00	403 King street.	J. Armstead.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 8.10 p. m.; foul chimney; nothing in service.
Wednesday	1	53	12.12	.....	316 S. Poppleton st.	Lewis Cohen.	Grocery store and dwelling	10.	6.	Three-story brick.	Loss $450; recall 12.40 a. m.; unknown.
Saturday	4	392	.....	12.38	831 Remington place.	Daniel Price.	Dwelling.	3 Chemical.	.....	Three-story brick.	Loss $38; recall 1.07 p. m.; overheated st've

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday	6	234	9.54	.....	314 N. Broadway.	R. Kinnear.	Stable.	5, 9.	3.	Three-story brick.	Loss $90; recall 10.50 a. m.; wagon load of hay caught fire as it was being in the front door.
Monday	6	253	.....	10.10	1311 N. Central ave.	W. J. Delcher.	Dwelling.	.....	5.	Three-story brick.	Loss $101.15; recall 10.23 p. m.; window curtain caught fire from gas jet.
Tuesday	7	484	3.00	.....	Frederick road and Cemetery lane.	John Coraty.	Grocery store and dwelling	1 Chemical.	8.	Two-story brick.	Loss $399.96; recall 4.24 a. m.; rats nibbling matches.
Tuesday	7	184	8.41	.....	Boston street, near Cannon street.	G. D. Tyler.	Saw-mill and box factory.	.....	3.	Two-story frame.	Loss none; recall 9.07 a. m.; flue blowing out of boiler, and set shavings on fire.
Tuesday	7	451	.....	8.47	526 Stockton alley.	A. J. Davis.	Carp'nter sh'p and stable.	8, 13, 14. 1 Chemical.	4, 8.	Two-story frame.	Loss $1,060.75; recall 9.47 p. m.; unknown
Wednesday	8	364	.....	2.38	536 Moore's alley.	H. Dennison.	Dwelling.	.....	4.	Two-story brick.	Loss $5; recall 2.47 p. m.; children playing with matches.
Wednesday	8	51	.....	6.34	217 E. Pratt street.	M. E. Dougherty & Co.	Feed store.	1, 2, 3, 4, 6.	1,2,3,6	Four-story brick.	Loss $9,257.87; recall 10.13 p. m.; unkn'wn
2d alarm.		....	.....	6.43	215 E. Pratt street.	G. Floyd.	Fertilizer st're	7, 10, 12.		Four-story brick.	
					219 E. Pratt street.	P. Fahey.	Saloon 1st fl'r, storage on upper floor.			Four-story brick.	
Wednesday	8	318	.....	7.01	17 W. Lexington st.	Goldenburg Bros.	Notion store.	.....	4, 5.	Four-story iron front.	Loss $1,521.46; recall 7.39 p. m.; unkn'wn; extinguishers 8 and 13 Engine Cos.
						H. Marks.	Tailor shop.				

Thursday	9	234	12 19½	.....	1916 E. Fayette street.	S. Beadleman.	Notion store.	.....	3.	Three-story brick.	Loss $681.93; recall 12.55 a. m.; heat from gas jet.
Thursday	9	46	11.20	.....	N. W. cor. Booth and Stricker streets.	M. Mollaney. C. R. Pue.	Livery stable. Gun-wad fac'y	8, 13, 14. 1 Chemical.	4.	Two-story brick.	Loss $1,616; recall 1.14 p. m.; unknown.
Friday	10	292	.....	6.34	815 York road.	H. Delcher.	Dwelling.	.....	7.	Two-story frame.	Loss none; recall 7.11 p. m.; foul chimney.
Friday	10	42	.....	8.46	407 W. Baltimore st.	W. H. Pitcher.	Pl'mb'rs' supply store.	.....	2, 4.	Four-story brick.	Loss $20; recall 10.30 p. m.; explosion of tank filled with ammonia.
Friday	10	414	.....	9.15	215 W. German street.	Goldsmith & Runkle.	Paper & woodenware st're.	1, 2, 3, 4, 6, 7, 8, 10, 12, 13.	1, 2, 4, 6	Four-story brick.	Loss $21,857.60; recall Saturday, 11th, 12.44 a. m.; unknown.
No. 3 Engine Co. called.		....	.....	9.43							
2d alarm.		....	.....	9.48							
Saturday	11	6	3.40	.....	209 E. Water street.	P. T. George & Co	Bacon and lard warehouse.	.....	1.	Four-story brick.	Loss $15.15; recall 3.58 a. m.; unknown.
Sunday	12	462	1.23	.....	Hollins street between Monroe and Pulaski streets.	E. C. Cather.	Box factory.	1, 2, 3, 8, 10.	1, 2, 4.	Four-story brick with mansard roof.	Loss $13,404.48; recall 8.43 a. m.; unkn'wn; originated in engine room.
2d alarm.		....	1.30½	.....		Ringsdorf & Hanf.	Lumber yard.	13, 14.			
3d alarm.		....	1.45	.....							
Sunday	12	512	5.31	.....	20 E. Lombard street.	Kemper & Sons.	Wholesale tobacco store.	1, 2, 3, 4, 5.	1, 3, 5, 6	Four-story brick.	Loss $6,632.95; recall 8.56 a. m.; spontaneous combustion on third floor.
2d alarm.		....	5.41	.....	22 E. Lombard street.	Swindell Bros.	Storage for glass.	6, 7, 9, 12.		Four-story brick.	
						Berry Bros.	Paint and oil store.				
Monday	13	426	9.32	.....	1221 W. Lombard st.	C. W. Adams.	Dwelling.	.....	.....	Three-story brick.	Loss $29.75; recall 9.50 a. m.; unknown; extinguisher 14 Engine Co.
Monday	13	272	.....	10.00	1025 N. Washington st.	C. Plimus.	Cigar factory and dwelling	.....	5.	Three-story brick.	Loss $5; recall 10.20 p. m.; explosion of coal-oil lamp; extinguishers 5 and 9 Engine and 5 H. & L. Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 14	24	7.47	.....	408 Mott street.	W. H. Hickman.	Stable.	6.	1, 5.	Three-story brick.	Loss $125.58; recall 9.25 a. m.; spontaneous combustion of wet hay.
Tuesday 14	264	.....	5.18	1413 E. Monument st.	W. J. H. Sluck.	Tinware manufactory.	6, 9.	5.	Four-story brick.	Loss $115; recall 5.57 p. m.; unknown.
Wednesday 15	322	.....	2.38	428 Little Monument street.	H. Diggs.	Dwelling.	7.	4.	Three-story brick.	Loss $139.50; recall 3.24 p. m.; child playing with match's
Wednesday 15	162	.. ...	7.12	S. W. cor. Wolf and Lancaster streets.	Alex. Sanner.	Stable.	5, 11.	3.	Two-story frame.	Loss $150; recall 8.38 p. m.; spontaneous combustion of new hay.
Friday 17	217	2.43	.....	Holliday street, near Centre street.	H. McShane & Co.	Bell and iron foundry.	.....	.....	Two-story brick.	Loss none; recall 2.59 a. m.; smoke seen coming from building; nothing in service.
Friday 17	526	.....	11.34	320 W. Camden street.	J. Howard.	Cigar & news store.	1, 2.	2.	One-story frame.	Loss $789.14; recall Saturday, 18th, 12.29 a. m.; unknown.
				322 W. Camden street.	A. Driscoe.	Cigar & news store.	.....	.....	One-story frame.	
				324 W. Camden street.	Charles Betts.	Cigar factory.	.....	.....	One-story frame.	
Saturday 18	534	.....	8.30	Corner Paca and Cross streets.	E. Valentine.	Lime kiln.	2, 10.	6.	One-story frame.	Loss $118.04; recall 9.14 p. m.; slacking of lime.
Sunday 19	212	.....	4.37	712, 714, and 716 E. Baltimore street.	Henry Nagle.	Storage house and candy manufact'ry	1, 3, 4, 6.	1.	Two-story brick.	Loss $200; recall 5.27 p. m.; unknown.

Monday	20	213	5.47	.....	211 N. High street.	A. Askins.	Grocery store and dwelling	.....	1.	Three-story brick.	Loss $265; recall 6.18 a. m.; rats nibbling matches; exting'sh'r No. 3 Engine Co.
Monday	20	8	.....	11.08	Pier No. 6, Baltimore and Ohio Railroad Co., Locust Point.	Merchants and Miners' Transportation Co.	Steamship Johns Hopkins, 1,470 tons, Henry D. Foster, captain.	2, 10. B. & O. R. fire department.	6.	Steamship was loaded with 800 barrels of rosin, 500 bales of cotton, and yellow pine lumber.	Loss $——; recall Tuesday, May 21st, 12.37; one of the laborers dropped a lighted coal-oil lamp on the lower deck, which was saturated with turpentine; beached and totally destr'yed
Friday	24	614	2.38	.....	Cross street, near Johnston street.	Francis Heath.	Iron foundry.	.....	6.	One-story brick.	Loss none; recall 2.50 a. m.; hot iron set fire to flasks.
Friday	24	14	2.38¼	.....	920 Watson street.	E. Berry.	Dwelling.	3.	1.	Three-story brick.	Loss $229.50; recall 1. 14 a. m.; unknown.
Friday	24	271	11.05	.....	1819 E. Eager street.	Charles Fetter.	Bakery and dwelling.	9.	5.	Three-story brick.	Loss $123.66; recall 11. 40 a. m.; heat from oven.
Sunday	26	212	12.46	.....	703 E. Baltimore st.	E. Blumberg.	Jewelry store.	.....	.....	Four-story brick.	Loss $827.93; recall 1.32 a. m.; unknown; extinguisher 1 H. & L. Co.
Wednesday	29	157	.....	7.11	Corner Lancaster and Dallas streets.	Cloke & Co.	Kindlingwood mill.	.....	3.	Two-story brick.	Loss $5; recall 7.27 p. m.; overheated furnace.
Thursday	30	264	1.15	.....	1618 McElderry street.	William Isenburg	Confectionary store and dwelling.	6, 9.	5.	Three-story brick.	Loss $994.84; recall 2. 53 a. m.; defective flue.
Friday	31	453	.....	7.50	819 N. Stricker street.	E. Mitchell.	Paint store & dwelling.	8.	4.	Three-story brick.	Loss $398.50; recall 8. 18 p. m.; unknown.
June. Sunday	2	15	.....	9.37	238 S. Broadway.	George Ruppert.	Picture frame store and dwelling.	5.	3.	Three-story brick.	Loss $576.50; recall 10.10 p.m.; unknown
Monday	3	218	.....	7.17½	819 E. Baltimore st.	J. W. Howard.	Furnit're st're	3, 4.	1, 3.	Three-story brick.	Loss $2,056.37; recall 7.52 p.m.; unknown.

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Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Monday 3	412	.....	8.42	103 W. German street.	A. Sreen & Co. Risenauer & Co.	Carpet manufactory. Clothing manufactory.	2, 4.	1, 2, 6.	Four-story brick.	Loss $2,944.94; recall 11.48 p. m.; unknown. Ladderman Fred. Oelman, Jr., of No. 1 H. & L. Co., injured.
Monday 3	381	.....	11.45	1512 W. Presstman st.	J. Weber.	Bakery and dwelling.	8, 13. 2 Chemical.	4.	Three-story brick.	Loss $234.11; recall 2.24 a. m. Tuesday 4th; heat from oven.
Tuesday 4	21	12.39	.....	210 N. Gay street.	T. B. Trott.	Saloon and dwelling.	.....	1.	Three-story brick.	Loss $27.73; recall 12.50 a.m.; unknown.
Tuesday 4	319	.....	6.27	904 N. Calvert street, in the rear.	S. Appold.	Stable.	.....	4.	Two-story brick.	Loss $25; recall 6.41 p. m.; unknown; extinguisher No. 7 Engine Co.
Wednesday 5	13	2.05	.....	Long Dock, foot of Marsh Market space	J. R. Hudgins & Co.	Storage for baled hay.	3, 4.	1, 3.	One-story shed.	Loss $100; recall 3.34 a. m.; some one smoking near the hay.
Wednesday 5	216	.....	7.01	1241 McElderry street.	E. Carter.	Dwelling.	.....	1.	Three-story brick.	Loss none; recall 7.10 p. m.; children playing with matches.
Thursday 6	212	10.59	.....	218 Harrison street.	Bessie White.	Tenem'nt h'se	.....	1.	Four-story brick.	Loss $60; recall 11.11 a. m.; explosion of coal oil stove.
Friday 7	712	.....	12.02	West, near Jackson st.	Charles Ruark.	Office & spar shed of shipyard.	12.	6.	Two-story frame.	Loss $45; recall 1.23½ p. m.; sparks from chimney of blacksmith shop adjoining.

Saturday	8	25	.....	2.29	S. W. corner of Eager street and Greenmount avenue.	City of Baltimore.	School-house No. 5, Male and Female Grammar.	6, 7, 9.	5.	Two-story brick.	Loss $960; recall 4.54 p. m.; supposed by mice nibbling matches in waste paper.
Saturday	8	284	.....	8.47	18 Quaker lane, Oxford.	C. Gildenfenny.	Dwelling.	3,4 Chemic'l 5.	5, 7.	Two-story frame.	Loss $146.87; recall 10.00 p.m.; defective flue.
Monday	10	143	2.26	.....	1106 Allen alley.	P. Noonan.	Storage warehouse.	3, 5, 11.	3.	One-story frame.	Loss $410.50; recall 3.53 a.m.; unknown.
Monday	10	217	9.14	.....	532 Colvin street.	V. Kuzicka.	Book bindery and dwelling	.....	1.	Four-story brick.	Loss $30; recall 9.36 a. m.; overheated stove; extinguisher 6 Engine Co.
Wednesday	12	7	6.53	.....	1416 Johnson street.	Betsey Burns.	Dwelling.	.....	6.	Three-story brick.	Loss $60; recall 7.13½ a. m.; matches taking fire from heat in cupboard; extinguisher 12 Eng. Co.
Saturday	15	23	3.20	.....	1406 Mulligan street.	N. Frank & Son.	Paper and rag stock warehouse.	3, 4, 5, 6.	1, 3, 5.	Three-story brick.	Loss $4,005.78; recall 7.12 a. m.; supposed spontaneous combustion.
2d alarm.		....	3.40	.....				9, 11.			
Monday	17	526	.....	10.04	220 S. Sharp street.	F. Kondner.	Tailor shop and dwelling	.....	.....	Three-story brick.	Loss $20; recall 10.10 p.m.; unknown; extinguisher 2 Engine Co.
Friday	21	28	4.51	.....	Mine Bank lane.	None.	.....	9.	5.	Two-story frame.	Losss $150; recall 6.10 a.m.; incendiary.
Friday	21	251	.....	12.43	1003 Ensor street.	May Ford.	Dwelling.	.....	5.	Two-story frame.	Loss $27.60; recall 1.04 p.m.; overheated stove.
Saturday	22	271	10.49	.....	668 N. Washington st.	William Hoover.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 11.03 a. m.; defective flue.
Saturday	22	251	.....	10.23	927 Harford avenue.	John Holmes.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 10.36 p. m.; fat on a stove burned and filled the house with smoke.

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Sunday	23	61	11.03	.....	724 Light street.	J. R. Bland.	Grocery store and dwelling	.....	.....	Three-story brick.	Loss $2.50; recall 11.08 a.m.; lighted match thrown where coal oil was leaking from barrel.
Sunday	23	186	.....	9.11	Clinton street, Canton, Baltimore Co.	Stickney & Co.	Iron works.	.....	.....	.....	Loss $250; recall 9.50 p. m.; wood in kiln; apparatus went to City limits.
Monday	24	474	.....	9.00	Townsend street extended.	E. Keirl.	Storage shed.	1, 3, 14. 2 Chemical.	4.	Two-story frame.	Loss $150; recall 10.35 p. m.; unknown.
Friday	28	27	.....	4.05	1716 Barnes street.	L. W. Shaw.	Dwelling.	.....	.....	Three-story brick.	Loss none; recall 4.24 p. m.; child set fire to shavings in the cellar; extinguisher 9 Engine Co.
July.											
Friday	5	483	6.15	.....	10 Stinson street, Annex.	C. Mampel & Son., owners.	Not occupied.	14. 1,2 Chemic'l	8.	Three-story frame.	Loss $55; recall 7.00 a.m.; boys smoking set fire to straw.
Friday	5	284	.....	9.05	Quaker lane, Annex.	David Wolf.	Stable.	2, 3, 4, 5. 6,7 Chemic'l	5, 8, 9.	One and one-half story frame.	Loss $406.50; recall 12.41 a. m. Saturday 6; spontaneous combustion of damp hay.
Sunday	7	13	.....	8.45	832 E. Pratt street.	C. Snyder. M. Schaeffer.	Saloon and dwelling. Cigar factory.	.....	.....	Three-story brick.	Loss $355; recall 9.22 p.m.; unknown; extinguishers 3, 5 and 6 Eng., and 1 and 3 H. and L. Cos.
Monday	8	367	.....	1.48	No cause could be found for this alarm.			.....	.....	.....	Loss none; recall 1.58 p. m.

Monday	8	218	.....	10.52	733 E. Baltimore st.	S. Jester.	B'rding house	.....	1.	Three-story brick.	Loss $84.46; recall 11. 06 p. m.; electric light wire in contact with woodwork.
Tuesday	9	623	.....	2.01	Goodman alley, in rear of 1009, 1011, & 1013 Hanover street.	Pierson & Hubbard.	Carp'nter sh'p	2, 10, 12.	6.	One-story brick.	Loss $957.25; recall 3.22 p.m.; unknown; horse "Mikado" of No. 2 Hose Carriage was burned whilst leading off hose.
						C. Bransbury.	Storage for coal-oil barrels.	.....	.....	One-story frame.	
Wednesday	10	412	.....	7.30¾	2 W. Baltimore street.	H. Seemuller & Co	Printing est'blishment.	.....	.....	Four-story brick.	Loss $105.39; recall 7.43 p.m.; unknown; extinguishers 4 Eng. and 1 H. and L. Cos.
Thursday	11	493	3.10	.....	Bloomingdale road, Annex.	L. B. Purnell.	Carriage-h'use and stable.	Chemic'ls 1, 3, 6, 7.	8.	Two-story frame.	Loss $7,081.10; recall 11.34 a. m.; spontaneous combustion of new hay.
Friday	12	484	9.23	.....	718 Frederick avenue, Annex.	George Lerian.	Dwelling.	1 Chemical.	.....	Two-story brick.	Loss $90.75; recall 10. 19 a. m.; supposed from mice nibbling matches.
Friday	12	17	.....	2.43	2244 Canton avenue.	J. Hermer.	Dwelling.	.....	3.	Three-story brick.	Loss $128.59; recall 3.08 p. m.; bursting of coal oil stove.
Friday	12	21	.....	3.33	150 and 152 N. Gay st.	Waltz & Ring.	Picture frame factory.	.....	1.	One-story brick.	Loss none; recall 3.38 p. m.; burning of waste paper.
Saturday	13	326	6.35	.....	1631 Pennsylvania ave.	J. Oehrl.	Bakery and dwelling.	13. 2 Chemical.	4.	Three-story brick.	Loss $75; recall 7.05 a.m.; heat from oven
Sunday	14	128	.....	8.12	23 S. Frederick street.	G. Chipman & Co.	Chair factory.	1, 2, 3, 4, 5.	1, 2, 3, 5, 6.	Four-story brick.	Loss $19,279.44; recall 3.07 a. m. Saturday 15th; spontaneous combustion in varnishing room of No. 25.
General alarm		....	.....	8.17	25 S. Frederick street.	Chatterton & Webb.	Furniture factory.	6, 7, 8, 9, 10.	.....	Four-story brick.	
					27 S. Frederick street.	J. G. Harryman.	Storage warehouse.	12. Chemicals 3, 4, 5, and 6.	.....	Four-story brick.	

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Tuesday 16	27	5.47	.....	1614 E. Madison street	J. H. Clark.	Dwelling.	6, 9. 6 Chemical.	5.	Three-story brick.	Loss $610; recall 6.48½ a. m.; bursting of coal oil stove; Mrs Clark burned in face and on arms.
Wednesday 17	3	9.03	.....	Calvert street, near Saratoga street.	Mt. Vernon Company.	Wagon load of cotton, fifteen bales.	4.	1, 2.	.....	Loss $75; recall 10.10 a. m.; unknown.
Wednesday 17	413	.....	8.20	21 W. Lexington st.	George P. Brown.	Confectionary and dwelling	1.	2.	Three-story brick	Loss $54; recall 9.10 p.m.; lighted candle dropped among rubbish.
Thursday 18	365	3.03	.....	572 St. Mary street.	Jacob Myers.	Junk store & dwelling.	7, 13.	4.	Two-story frame.	Loss $631.90; recall 4.23 a. m.; falling ot a coal oil lamp.
Saturday 20	631	.....	10.41	1522 Clarkson street, in the rear.	M. Martin.	Grocery store and dwelling	.....	6.	Three-story brick.	Loss $5; recall 10.55 p.m.; coal oil taking fire from lighted candle; extinguisher 12 Eng. Co.
Sunday 21	391	.....	9.35	310 Clifton street, Annex.	M. Kreiner.	Dwelling.	2 Chemical.	4.	Two-story frame.	Loss $398.08; recall 10.18 p. m.; explosion of coal oil lamp.
Tuesday 23	212	12.40	.....	14 N. Frederick street.	S. W. O'Laughlin.	Carp'nt'r shop	.....	1.	Three-story brick.	Loss $97.52; recall 1.29 a. m.; unknown.
Tuesday 23	471	1.39	.....	Franklin street extnd.	Drain & Co.	M'n'fact'ry for fertilizers.	1 Chemical.	8.	One-story frame.	Loss $30; recall 3.21 a. m.; slacking of lime; extinguishers 8 and 13 Eng. Cos.

Wednesday	24	525	.....	9.20	210 Hanover street.	V. Lapinousky and others.	Ten'm'nt h'se.	.....	2.	Four-story brick.	Loss $17.35; recall 9.36 p. m.; explosion of gasoline stove; extinguisher 4 Eng. Co.
Wednesday	24	62	.....	9.37	103 E. Hamburg st., in the rear.	L. Blase.	Cotton b'tting m'nufact'ry.	2.	6.	Two-story brick.	Loss $123.50; recall 10.05 p. m.; foreign substance in machinery.
Friday	26	54	.....	8.48	813 S. Howard street.	Wittman & Slingluff.	Plow works.	.....	6.	Three-story brick.	Loss none; recall 9.04 p. m.; heat from furnace; exting'sh'r 2 Engine Co.
Saturday	27	5	1.50	.....	8 Light street.	M. Sheehan.	Restaurant.	.....	1.	Three-story brick.	Loss $70.55; recall 2.43 a. m.; heat from chimney; extinguishers 2, 3, and 4 Engine Cos.
Saturday	27	145	10.15	.....	25 N. Eden street.	T. Potgeiser.	Dwelling.	.....	3.	Three-story brick.	Loss $31; recall 10.27 a. m.; explosion of gasoline stove; extinguishers 3 and 5 Engine Cos.
Sunday	28	214	.....	11.07	7 Temple street.	Annie Adams.	Dwelling.	.....	.....	Two-story brick.	Loss $54; recall 11.21 p. m.; explosion of coal-oil lamp; extinguish'rs 3 Engine and 1 H. and L. Cos.
Tuesday	30	4	.....	6.46½	S. W. cor. Calvert and Fayette streets.	Thos. Cullen.	Shoe store, first floor.	.....	1.	Six-story brick and stone.	Loss none; recall 7.19 p. m.; sparks from chimney.
						Not occupied.	Barnum's Hotel.	.....			
Tuesday	30	318	.....	6.55	5 N. Charles street.	W. H. Linthicum.	Gun store.	.....	2.	Four-story brick.	Loss $451.06; recall 7.12 p. m.; unknown; extinguishers 1 and 2 Engine Cos.
Tuesday	30	156	.....	10.10	906 S. Broadway.	C. Martin.	Saloon and tenement house.	.....	3.	Four-story brick.	Loss none; recall 10.34 p. m.; lightning set fire to clothing in rear room.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Wednesday 31	46	.....	3.29	1705 Hollins street.	None.	.....	.....	.....	Three-story brick.	Loss none; recall 3.48 p. m.; boys set fire to old mattress in the cellar; extinguisher 14 Eng. Co.
August.										
Friday 2	436	8.41	.....	34 S. Paca street.	Dan'l Miller & Co. Heiser & Co.	Shirt factory. Shoe factory.	....	2.	Five-story brick.	Loss $169.87; recall 9.14 a. m.; gas jet set fire to muslin used to cover the ceiling; extinguisher 1 Engine Co.
Friday 2	624	.....	8.12	N. E. cor. Howard and Stockholm streets.	W. Wilfson.	Furniture and cedar-ware factory.	2.	6.	Five-story brick, 160 by 80 feet deep.	Loss $50; recall 8.35 p. m.; spontaneous combustion.
Saturday 3	235	.....	5.48	808 N. Chester street.	H. Meister.	Stable.	9.	3.	Two-story brick.	Loss $80; recall 6.32 p. m.; some one smoking in loft.
Wednesday 7	242	.....	9.10¼	853 Greenmount ave.	F. Walpert & Co.	Mattress manufactory.	1, 3, 4, 5, 6.	1,3,4,5	Two-story brick, 34 feet front, 213 feet deep.	Loss $7,739.66; recall Thursday, 8th, 9.51 a. m.; supposed spontaneous combustion.
2d alarm.	....	.....	9.21				7, 9.			
Wednesday 7	483	.....	9.23½	14 Stinson street, Annex.	E. Romoser.	Sl'ghter house	1 Chemical.	8.	Two-story brick.	Loss $20; recall 10.09 p. m.; light'd sp'nge of a balloon falling on roof.
Thursday 8	431	6.35	.....	713 W. Lombard st., in the rear.	None.	Stable.	.....	.....	Two-story brick.	Loss $20; recall none; incendiary.
Sunday 11	392	11.57	.....	Oak st. extended, Annex	Jas. Hughes.	Dwelling.	3, 4, 7 Chemicals.	7, 9.	One-story frame.	Loss $115; recall 12.53 p. m.; defective flue.

Monday	12	314	10.39	.....	449 N. Howard street.	J. Mattfeldt.	Laundry.	7.	.....	Four-story brick.	Loss $35.50; recall 10.46 a. m.; explosion of gasoline stove.
Tuesday	13	284	8.10	.....	Friendship lane, Annex.	Jas. J. Monahan.	Dwelling.	.....	.....	Two-story frame.	Loss $31.89; recall 8.29¼ a. m.; sparks from chimney.
Friday	16	147	10.05	.....	702 S. Eden street.	E. Bennett.	Tile mnufctry.	.....	3.	Three-story brick.	Loss $39.68; recall 10.22 a. m.; sparks from smoke-stack.
Saturday	17	427	2.18	.....	206 N. Green street.	A. Peano.	Ten'ment h'se	.....	2.	Four-story brick.	Loss $40; recall 2.29 a. m.; unknown.
Saturday	17	126	.....	1.52	259 Smith's wharf.	T. M. Smith.	Oil cake manufactory.	3.	1, 2,	Three-story brick.	Loss $50; recall 2.21 p. m.; boiling over of linseed oil.
Saturday	17	236	.....	9.08	2137 Fairmount ave.	C. Haversack.	Dwelling.	.....	3.	.....	Loss $277.30; recall 9.40 p. m.; unknown; extinguishers 5, 9, and 11 Engine Cos.
Saturday	17	512	.....	10.35	1, 3, and 5 Uhler's alley.	John Short. Jacob & Wilson.	File and saw manufact'ry	1, 2, 3, 4, 5.	1, 2, 4.	Four-story brick.	Loss $9,025.28; recall Sunday, 18th, 2.10 a. m.; heat from furnace.
2d alarm.		....	.....	10.41				6, 7, 8, 9, 10. 12, 13.	5, 6.		
3d alarm.		....	.....	10.47							
Sunday	18	71	.....	3.53	Phœnix wharf, Locust Point.	Keagle & Gender.	Oyster & fruit packing establishm'nt.	12.	6.	One-story frame.	Loss $780.62; recall 5.53 p. m.; heat from lime-kiln adjoining.
Tuesday	20	72	7.39	.....	Foot of Covington st.	H. Classen & Bro.	Steam brick yard.	.....	6.	One-story frame.	Loss $58.26; recall 8.08 a. m.; sparks from smoke-stack; extinguisher 12 Eng. Co.
Wednesday	21	122	.....	3.06	14 N. Holliday street. 16 N. Holliday street.	M. Geraghty. Washington G. L. Co.'s office.	Tailor shop.	3, 4.	1.	Three-story brick.	Loss $75.10; recall 3.33 p. m.; unknown.
Saturday	24	18	9.03	.....	Boston, cor. Patuxent street.	Fait & Winebrenner.	Tin can manufactory.	.....	3.	Two-story brick.	Loss $12.75; recall 9.29 a. m.; gasoline leaking from pipe; exting'sh'r 11 Eng. Co.
Sunday	25	8	3.57	.....	Andre and Garrett sts., Locust Point.	Coates & Bro.	Iron plate rolling mill.	2, 10, 12.	6.	One-story frame, 150 feet high, 165 feet long by 140 feet wide.	Loss $7,839.24; recall 7.37 a. m.; sparks from furnace.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 27	151	.....	3.51	2 S. Bond street.	F. Breitenbach.	Tin shop.	5.	3.	Three-story brick.	Loss $48.80; recall 4.37 p. m.; gas leaking from metre.
Thursday 29	162	2.10	.....	804 S. Ann street.	John Sietz.	Dwelling and bakery.	5.	3.	Three-story brick.	Loss $427.74; recall 3.03 a. m.; sparks from chimney.
Thursday 29	17	.....	8.29½	2015 Eastern avenue.	John W. Barnes.	Dwelling and restaurant.	.....	3.	Three-story brick.	Loss $31.75; recall 8.48 p. m.; children set fire to husk mattress; extinguisher 11 Engine Co.
September.										
Sunday 1	413	7.02¾	.....	11 and 13 N. Liberty street.	Boykin, Carmer & Co.	Wholesale drug store.	1, 4.	1, 2.	Four-story brick.	Loss $120.55; recall 8.12 a. m.; spontaneous combustion.
Sunday 1	394	.....	12.10	323 Chestnut avenue, Hampden, Annex.	H. Shuley.	Dwelling.	.....	9.	Two-story frame.	Loss $5; recall 12.35 p. m.; explosion of coal-oil stove.
Tuesday 3	134	2.13	.....	508 and 510 West Falls avenue.	Simon & McCabe.	Steam saw-mill & wood-yard.	3.	1.	One-story frame.	Loss $5; recall 2.57 a. m.; sparks from furnace.
Tuesday 3	391	7.44⅓	.....	Fulton and Pennsylvania aves., Annex.	Henry Rau.	Dwelling.	2 Chemical.	.....	Two-story brick.	Loss none; recall 8.25¾ a. m.; explosion of gasoline.
Wednesday 4	64	.....	7.21	1523 Light street.	C. Schen.	Lamp and oil store.	12.	6.	Three-story brick.	Loss $50; recall 8.29½ p. m.; explosion of gasoline as it was being drawn from a barrel; Jas. Elliott, of No. 6 H. and L. Co., badly burned.
					P. Nevaker.	Dwelling.	.....			

Sunday	8	6	10.11	.....	117 Mercer street.	C. W. Lord & Co.	Woodenware factory.	.....	.....	Four-story brick.	Loss none; recall 10.18 a. m.; smoke seen coming from a window; nothing in service.
Monday	9	391	12.56	.....	Pennsylvania ave. and Retreat st., Annex.	C. G. Meister.	Sl'ght'r ho'se.	13. 2 Chemical.	.....	Two-story brick.	Loss $537.20; recall 2.20 a. m.; meat falling on fire in the smoke-house.
Monday	9	35	11.51	.....	905 Bolton street.	J. G. Evans.	Barber shop and dwelling	2 Chemical.	.....	Two-story brick.	Loss $71.50; recall 12.24 p. m.; unknown.
Monday	9	7	.....	3.45	Clement street and Battery avenue.	Roman Catholic Church.	School house, St. Mary, Star of the Sea.	.....	6.	Three-story brick.	Loss none; recall 3.55 p. m.; burning of straw in the furnace; extinguisher 12 Engine Co.
Monday	9	12	.....	10.15	10 N. Frederick street.	C. Sleir.	Dwelling.	.....	1.	Three-story brick.	Loss none; recall 10.25 p. m.; Chinese lantern hanging in front of building burned.
Tuesday	10	48	1.15	.....	75 Wilkens street.	John Miller.	Stable.	13. 1 Chemical.	8.	One-story frame.	Loss $360.24; recall 2.27 a. m.; unknown.
Tuesday	10	61	2.35	.....	Pier 8, Light st. wharf, foot of Conway st.	Weems Transportation Comp'ny.	Side-wheel steamboat, Theodore Weems.	1, 2, 3, 4, 5.	1,2,4,6	.....	Loss $57,760; recall 8.24¼ a. m.; unkn'wn; an explosion took place, and the fire spread.
2d alarm.		....	2.37½	.....				6, 7, 8, 9, 10. 12, 13.			
3d alarm.		....	3.00	.....							
No. 13 Engine Co. called.		....	5.04	.....							
Tuesday	10	292	.....	2.49¼	Gilmore's lane, Waverly, Annex.	Mrs. F. Lewis.	Dwelling.	3, 4, 5 Chem.	5.	Three-story brick.	Loss $258.81; recall 5 p. m.; sparks from chimney.
Saturday	14	4	.....	10.25	N. W. cor. Baltimore and Calvert streets.	B. & O. R. R. Co.	Central or main office.	3.	1.	Seven-story brick.	Loss $450; recall 11.36 p. m.; electric-light wire set fire to paper stored in basement.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Tuesday 17	21	5.27	.....	311 N. Frederick st.	J. G. Maier.	Dwelling.	None.	None.	Three-story brick.	Loss none; recall 5.36 a. m.; back draft in chimney caused a dense smoke.
Tuesday 17	418	.....	10.05	309 W. Lexington st.	R. Weiglein.	Dry goods store.	1.	2.	Three-story brick.	Loss $2,292.41; recall 10.33 p. m.; unkn'n.
Wednesday 18	217	.....	4.54	North Exeter street, between Front and Hillen streets.	W. M. R. R. Co.	Freight shed.	6.	1, 5.	One-story frame.	Loss $250; recall 6.33 p. m.; supposed from sparks of passing locomotive.
Wednesday 18	39	.....	8.40	609 Collett street.	N. Douglass.	Dwelling.	None.	None.	Two-story brick.	Loss $10; recall 8.53 p. m.; children playing with matches.
Thursday 19	364	.....	7.35½	800 Druid Hill avenue.	W. Hengemuhle.	Saloon and dwelling.	.....	4.	Three-story brick.	Loss $132.25; recall 7.56 p. m.; clothing taking fire from a candle; extinguishers 7, 8, and 13 Engine Cos.
Friday 20	151	.....	10.05	130 S. Caroline street, in the rear.	R. Montgomery.	Stable.	3, 5.	3.	Two-story brick.	Loss $238.50; recall 11.06 p. m.; unknown.
Monday 23	526	.....	2.03	200 W. Camden street, N. W. cor. Sharp st.	A. Adjinuski.	Ten'ment h'se	2.	2.	Four-story brick.	Loss $249.80; recall 2.33 p. m.; children playing with m'tch's
Tuesday 24	159	12.42	.....	521 S. Bond street, in the rear.	G. Henning.	Bakery.	3, 5, 11.	3.	Three-story brick.	Loss $331.35; recall 1.59 a. m.; hot ashes from furnace.
				1618 Canton avenue.	Al. Fink.	Dwelling.	.....	.....	Two-story brick.	
Thursday 26	12	.....	6.06	427 E. Baltimore st.	L. A. Fuld & Co.	Boot and shoe store.	.....	.....	Three-story brick.	Loss $60.26; recall 6.12 p. m.; curtain taking fire from gas jet.

Friday	27	254	.....	8.48	427 E. First street.	E. Gardner.	Dwelling.	.....	5.	Three-story brick.	Loss $12.50; recall 9.05 p. m.; curtain taking fire from gas jet.
Sunday	29	141	.....	12.26	Cor. Pratt and Concord streets (car on President street).	M. J. Brown.	Feed store.	3.	.....	Box car.	Loss $165; recall 1.14 p. m.; incendiary.
Sunday	29	512	.....	2.20	29 Hodges alley, in rear of Hanover street.	George Frank.	Paper box factory.	.....	1, 2.	Four-story brick.	Loss $9. recall 2.48 p. m.; unknown.
October.											
Tuesday	1	462	.....	3.03	1850 McHenry street.	W. Leichenberg.	Dwelling.	.....	.....	Three-story brick.	Loss $15; recall 3.22 p. m.; explosion of gasoline stove; extin'r 14 Engine Co.
Tuesday	1	249	.....	9.15	512 E. Monument st.	Globe Electric Printing Comp'ny, A. F. Volkman.	Printing establishm't.	.....	1, 5.	Three-story brick.	Loss $547.60; recall 10 p. m.; unknown; exguishers 4, 6, and 9 Engine Cos.
Wednesday	2	394	10.30	.....	110 Baldwin st., Annex.	G. W. Sproll.	Dwelling.	7 Chemical.	.....	Two-story frame.	Loss $5; recall 11.20 a. m.
Thursday	3	349	9.00	.....	2423 Hudson Place, Annex.	Perry Albert.	Dwelling.	3 Chemical.	.....	Two-story brick.	Loss $31.69; recall 9.36 a. m.; ov'rh't'd st've
Thursday	3	315	.....	12.30	713 Park avenue.	F. H. Inloes.	Dwelling.	.....	4.	Five-story brick.	Loss $95.93; recall 12.35 p. m.; gas left burning by a servant set fire to lace curtain.
Thursday	3	212	.....	10.32½	111 N. Gay street.	M. D. Banks.	F'rnit'r' warerooom.	.....	1.	Four-story brick.	Loss $125; recall 11 p. m.; unknown; extinguishers 4 and 6 Engine Cos.
Friday	4	482	2.38½	.....	Elk and Clare streets.	Rose, Whitehurst & Co.	Lamp-black manufact'ry	10. 1 Chemical.	2, 8.	One-story brick. One-story brick.	Loss $2 663.76; recall 5.55 a. m.; unkn'wn
Friday	4	423	.....	8.30	736 W. German street.	Hall & Shad.	Organ manufactory.	1, 8, 10.	2.	Two-story brick.	Loss $1,649.98; recall 9.35 p. m.; heat from stove.
Saturday	5	253	11.40	.....	1404 Oliver street.	David Berne.	Dwelling.	.....	5.	Two-story brick.	Loss $20; recall 11.53 a. m.; gas jet set fire to curtain.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Sunday 6	142	2.54	.....	417 Woods alley.	H. Schaeffer.	Barrel factory	3.	3.	Three-story brick.	Loss $15; recall 3.58 a. m.; sparks from open fireplace used for drying barrels.
Sunday 6	354	.....	1.37	205 W. Lanvale street.	Wm. A. Stewart.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 1.54 p. m.; foul chimney.
Sunday 6	128	.....	5.49¾	617 E. Lombard street.	A. Henderson.	Dwelling and cook shop.	.....	1.	Two-story brick and attic.	Loss none; recall 5.56 p. m.; falling of a coal oil lamp.
Sunday 6	151	.....	7.36	1513 E. Baltimore st.	Ed. Wilson.	Livery stable.	3, 5, 9, 11.	1, 3.	Three-story brick.	Loss $2,806.36; recall 9.45 p. m.; unknown
2d alarm.	.. .	.....	7.44¼				5,6 Chemic'l			
Sunday 6	394	.....	7.49¼	Hampden, Annex.	Baltimore City Water Dep'm't.	Stack of hay.	3, 4, 7 Chem.	.....	.....	Loss $20; recall 9.55 p. m.; supposed to have been set on fire by boys.
Monday 7	463	1.43½	.....	301 Gilmor street.	Fiekel Bros.	Cigar factory, store, and dwelling.	14. 1 Chemical.	2.	Three-story brick.	Loss $876.85; recall 2. 24 a. m.; unknown.
Monday 7	121	.....	12.35	410 Second street.	J. P. Steinbach.	Tailor store.	.....	1.	Three-story brick.	Loss $6; recall 1 p. m.; unknown.
Monday 7	271	.....	7.10	1713 Barnes street.	H. Gayart.	Grocery store and dwelling	9.	5.	Three-story brick.	Loss $756.56; recall 8. 05 p. m.; upsetting of coal-oil lamp in the show window.
Wednesday 9	426	10.00	.....	109 Arlington avenue.	F. Steiner.	Barber shop and dwelling	.....	2.	Three-story brick.	Loss $51.45; recall 10. 27 a. m.; overheated stove-pipe; extinguishers 8 and 14 Engine Cos.

Wednesday	9	262	.....	12.14	1222 N. Gay street.	Ed. Carroll.	Dwelling.	.....	5.	Two-story brick.	Loss $80.25; recall 12.34 p. m.; defective flue; extinguisher 9 Engine Co.
Thursday	10	32	2.39	.....	301 Courtland street.	E. Martin.	B'rding house	.....	.....	Three-story brick.	Loss none; recall 2.50 a. m.; escaping gas; extinguisher 4 Engine Co.
Thursday	10	3	8.37	.....	210 N. Holliday street.	W. J. Clark.	Machine shop.	.....	1.	Three-story brick.	Loss $30.30; recall 8.59 a. m.; sparks from chimney.
Thursday	10	8	10.46	.....	Foot of Hull st., Locust Point.	G. Ober Sons & Co.	F'rtiliz'r manufactory.	1, 2, 3, 5.	2, 6.	One-story frame.	Loss $110,450; recall 8.40 p. m.; unkn'wn
2d alarm.		....	11.05	.....				7, 8, 10, 12.	.....	Two-story frame.	
Friday	11	482	7.35	.....	2008 Christian street.	F. Frather.	Dwelling.	1 Chemical.	8.	Two-story brick.	Loss $122.45; recall 8.01 a. m.; children playing with m'tch's
Friday	11	12	.....	5.20¼	514 E. Baltimore st.	W. B. Jeater.	Rest'rant and dwelling.	.....	1.	Three-story brick.	Loss none; recall 5.30 p. m.; explosion of gasoline stove.
Saturday	12	414	1.04½	.....	211 W. German street.	P. Fabish.	Button-hole manufactory	.....	1, 2.	Three-story brick.	Loss $94; recall 1.26 a. m.; heat from furnace
Monday	14	36	.....	5.02	Riggs avenue, near Carey street.	Cathedral Cemetery Company.	Dwelling, not occupied.	13. 2 Chemical.	4.	Two-story frame.	Loss $50; recall 5.50 p. m.; boys playing with matches.
Thursday	17	384	6.44½	.....	122 Madison ave. ext., Annex.	H. J. Chilton.	Dwelling.	13. 2, 3, 4, 7 Chemicals.	4.	Three-story brick.	Loss $458.50; recall 9.42 a. m.; unknown.
Thursday	17	143	.....	4.47	217 S. Spring street.	M. Steel.	Dwelling.	.....	3.	Two-story and garret brick.	Loss $13; recall 5.09 p. m.; children playing with matches; extinguishers 3 and 5 Engine Cos.
Sunday	20	357	.....	7.34	907 Camel alley.	Alex. Grant.	Dwelling.	.....	4.	Two-story brick.	Loss none; recall 7.47 p. m.; foul chimney.
Thursday	24	27	8.00	.....	1716 E. Eager street.	William Bailey.	Dwelling.	.....	.....	Three-story brick.	Loss $35; recall 8.17 a. m.; explosion of gasoline; extinguisher 9 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.		Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Thursday	24	232	8.23	.....	103 N. Bond street.	E. A. Smith.	Dwelling.	5.	1, 3.	Three-story brick.	Loss $149.90; recall 9 a. m.; gas jet set fire to clothes hanging on the wall.
Friday	25	514	2.44	.....	212 S. Paca street.	H. Kuskel.	Shoe store and dwelling.	.....	2.	Two-story brick.	Loss $56.25; recall 3.07 a. m.; foul chimney; extinguisher 2 Engine Co.
Friday	25	43	.....	11.11	651 W. Pratt street.	William Koster.	Beer saloon.	.....	2.	Three-story brick.	Loss none; recall 11.24 p. m.; unknown.
Saturday	26	121	12.36	.....	112 Commerce street.	T. F. Cook & Co.	Coffee jobbers	1, 2, 3, 4, 5.	1,2,3,6	Four-story brick.	Loss $4,193.22; recall 3.06 a. m.; unknown
2d alarm.		....	12.41	.....		J. E. Wallace.	Office, Oil Co.	6, 7, 9, 10.			
						Anchor Paste Co.	Storage room.	Chems. 5, 6.			
Monday	28	362	10.32	.....	654 Chestnut alley.	Jas. Hart.	Dwelling.	.....	4.	Three-story brick.	Loss $40; recall 10.55 a. m.; unknown.
Tuesday	29	413	.....	11.36	14 McClellan street.	William Eckert.	Picture frame manufact'ry	4.	1, 2.	Four-story brick.	Loss $618.59; recall 12.52 p. m; heat from furnace.
Wednesday	30	424	.....	5.40	231 Knox court.	Aug. Grease.	Dwelling.	8.	.....	Two-story brick.	Loss none; recall 5.53 p. m.; child upset a coal-oil lamp; Mrs. Grease fatally burned; died October 31, 1889.
Thursday	31	318	9.19	.....	26 N. Charles street.	Ferd. Meyer.	Dry goods store.	.....	1, 2.	Four-story brick.	Loss none; recall 9.37 a. m.; lighted match thrown among waste paper in the cellar; extinguishers 1, 4, and 10 Engine Cos.

Thursday	31	3	10.34	.....	Lexington and Calvert streets.	U. S. Government.	Postoffice.	.....	.....	Five-story granite	Loss $50; recall 10.45 a. m.; explosion of gasoline tank; extinguish'rs 4 Engine and 1 H. and L. Cos.
Thursday	31	147	.....	10.33	Eden and Aliceanna streets.	J. V. Campbell & Co.	Iron foundry.	3, 5, 11.	3.	.....	Loss $53.83; recall 11. 29 p. m.; heat from furnace.
November.											
Friday	1	526	8.15	.....	216 S. Sharp street.	Alfred Langmead.	Dwelling.	.....	2.	Three-story brick.	Loss $69; recall 8.50 a. m.; unknown; extinguishers 1 and 2 Engine Cos.
Tuesday	5	347	6.18	.....	1003 North street.	M. Caulfield.	Dwelling and restaurant.	4. 3 Chemical.	4.	Three-story brick.	Loss $365; recall 7.06 a. m.; unknown.
Tuesday	5	391	.....	5.48	316 Francis st., Annex.	G. M. Chambers.	Dwelling.	2 Chemical.	.....	Two-story brick.	Loss none; recall 6.14 p. m.; foul chimney.
Tuesday	5	241	.....	7.47	830 Hillen street.	Ellen Nevell.	Dwelling.	.....	5.	Two-story brick.	Loss $5; recall 8 p. m.; heat from bonfire in the street; extinguish'r 6 Engine Co.
Tuesday	5	372	.....	7.56	1209 N. Carey street.	Juniper Tar Co.	.....	.....	4.	Two-story brick.	Loss $135.06; recall 8. 31 p. m.; incendiary; extinguishers 8 and 13 Engine Cos.
Wednesday	6	284	.....	9.45	Quaker lane, corner Filmore st., Annex.	Daniel Cleridge.	Dwelling.	1 Chemical.	.....	Two-story frame.	Loss $10; recall 10.02 p. m.; explosion of a lot of tar.
Thursday	7	212	4.01	.....	706 E. Second street.	Anna Dunn.	B'rding house	3, 4.	1, 2,	Four-story brick.	Loss $146.08; recall 4. 18 a. m.; unknown.
Friday	8	526	.....	1.16	145 W. Camden street.	A. Schloss.	Grocery store.	2.	2.	Three-story brick.	Loss $315; recall 2.20 p. m.; wood fell from stove on the floor.
Friday	8	533	.....	3.38	812 St. Peter street.	Peter Ziess.	Dwelling.	.....	2.	Three-story brick.	Loss $56.65; recall 4 p. m.; overheated stove-pipe; extinguishers 1 and 2 Engine Cos.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Saturday 9	342	12.52	.....	1218 Maryland avenue. 1220 Maryland avenue. 1216 Maryland avenue.	Wm. Meack. Wm. Dunnett. Wm. Emmons.	Harness shop. Pl'mbing sh'p Trunk factory	7. 3 Chemical.	4.	One-story frame. One-story frame. One-story frame.	Loss $1,102; recall 2.07 a. m.; overheated stove in No. 1218 Maryland avenue.
Monday 11	348	3.57	.....	1608 Guilford avenue.	Watchman.	Unfinished dwelling.	6. 3 Chemical.	4.	Three-story brick.	Loss $79.92; recall 4.54 a. m.; watchman built a fire in the fireplace, which burned the woodwork.
Monday 11	28	8.14	.....	Washington street extended, Annex.	Thos. Shanks.	Carriage h'use	5,6 Chemic'l	5.	One-story frame.	Loss $205; recall 9.21 a. m.; boys smoking cigars.
Monday 11	8	.....	10.45	Foot of Garrett street.	Coates & Son.	Iron foundry.	12.	6.	Two-story frame.	Loss $225; recall 11.55 p. m.; overheated stove in second st'ry
Tuesday 12	485	.....	8.27	Wesley and Carroll streets, Annex.	A. Weinecker.	Saloon and dwelling.	1,2 Chemic'l	8.	Two-story frame.	Loss $1,163.03; recall 11.50 p. m.; defective chimney.
Wednesday 13	62	.....	5.10	1036 Light street.	A. Strasburg.	Notion store.	.....	.....	Three-story brick.	Loss $127.50; recall 5.17 p. m.; gas jet set fire to goods in the window; exting'sh'r 6 H. and L. Co.
Thursday 14	54	8.55	.....	626 S. Sharp street.	Charles Abey.	Dwelling.	.....	.....	Three-story brick.	Loss $5; recall 9.03 a. m.; explosion of a gasoline stove; extinguisher 2 Engine Co.

Saturday	16	264	4.48	.....	1360 E. Monument st.	H. Greger.	Bakery and dwelling.	.....	.....	Three-story brick.	Loss $55.35; recall 5.02 a. m.; a pan of lard upset on stove; extinguisher 9 Engine Co.
Saturday	16	452	.....	4.12	210 Vincent alley.	Susan Ward.	Dwelling.	8.	4.	Two-story brick,	Loss $73.55; recall 4.37 p. m.; children set fire to a bed; boy 12 years old burned to death.
Sunday	17	262	.....	2.00	1332 N. Broadway.	G. H. Chauney.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 2.25 p. m.; defective flue.
Monday	18	422	9.13	.....	308 E. Baltimore st.	V. Pipitone.	Dwelling and restaurant.	.....	1.	Three-story brick.	Loss $10.97; recall 9.32 a. m.; overheated range; extinguisher 4 Engine Co.
Wednesday	20	348	.....	1.45	1718 Guilford avenue.	A. A. White.	Dwelling, bakery, and stable.	6, 7. 3 Chemical.	5.	Three-story brick.	Loss $545.38; recall 3.25 p. m.; some one smoking in the st'ble
Wednesday	20	482	.....	8.46	403 Pulaski street.	P. Braverman.	Cigar factory, and dwelling	1 Chemical.	2, 8.	Two-story brick.	Loss $581.30; recall 9.37 p. m.; overheat'd stove; extinguishers 8, 10, and 14 Engine Cos.
Wednesday	20	64	.....	11.29	Patapsco and Barney streets.	H. Callender.	Grocery store and dwelling	12.	6.	Three-story brick.	Loss $242.16; recall Thursday, 21st, 12.03 a. m.; rats nibbling matches.
Thursday	21	141	.....	6.16½	806 Eastern avenue.	M. D. Merco.	Ten'm'nt h'se.	.....	1.	Three-story brick.	Loss $20; recall 6.34 p. m.; children playing with matches; extinguisher 3 Engine Co.
Friday	22	218	.....	6.08	16 Albemarle street.	Druid Felting and Roofing Co.	Office and factory.	.....	.....	Three-story brick.	Loss none; recall 6.18 p. m.; light from furnace.
Tuesday	26	415	2.51	.....	312 W. Baltimore st.	J. V. Bennett.	Dining saloon	8 Chemical.	1, 2.	Four-story brick.	Loss $139.11; recall 3.23 a. m.; pan of lard upset on the furnace

DATE.	BOX.	HOUR A. M.	HOUR P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tuesday 26	541	.....	9.18	S. E. corner of Lee and Eutaw streets.	M. Ernsberger.	Saloon and dwelling.	8 Chemical.	.....	Three-story brick.	Loss $60; recall 9.32 p. m.; lighted match thrown amongst waste paper.
Friday 29	162	2.09	.....	1812 Thames street.	Geo. F. Whiting.	Carriage repository and stable.	5, 11.	3.	Two-story brick.	Loss $1.50; recall 2. 32½ a. m.; incendiary.
Friday 29	36	.....	12.58	1612 Pennsylvania ave.	J. Shellhaus.	Bakery and dwelling.	.....	4.	Three-story brick.	Loss $39.80; recall 1.20 p. m.; heat from oven; extinguisher 13 Engine Co.
December.										
Sunday 1	396	.....	1.08	48 W. Woodberry st.	T. W. Collins.	Dwelling.	.....	9.	Two-story brick.	Loss $20; recall 1.46 p. m.; defective flue.
Monday 2	153	.....	6.31	515 S. Caroline street.	Jas. Carr.	Dwelling and saloon.	.....	3.	Three-story brick.	Loss $27.50; recall 6.50 p. m.; children playing with matches.
Wednesday 4	238	.....	4.38	823 N. Caroline street.	N. Sahlin.	Morocco factory.	.....	5.	Three-story brick.	Loss $50; recall 4.57 p. m.; explosion of benzine; extinguisher 9 Engine Co.
Thursday 5	12	9.07	.....	426 E. Baltimore st.	J. P. Cook.	Book and stationery st're	.....	1.	Three-story brick.	Loss $10; recall 9.20 a. m.; unknown.
Friday 6	121	8.00	.....	413 E. Lombard st.	Kneinle & Renous.	Brush factory.	.....	1.	Four-story brick.	Loss $35; recall 8.20 a. m.; heat from stove.
Saturday 7	12	.....	5.48½	S. E. corner Baltimore st., and Post Office avenue.	Johnson & Schonfarber.	Printers and book bind'ry	.....	1.	Three-story brick, iron front.	Loss $39; recall 6.06 p. m.; lighted match thrown among pap'r
Saturday 7	35	.....	8.55	327 Brown's court.	L. Smith.	Dwelling.	.....	4.	Two-story brick.	Loss $30.34; recall 9.13 p. m.; children playing with matches.

Sunday	8	35	.....	3.55	Jordan alley, near Preston street.	Griffith & Manion.	St'r'ge for hay and straw.	7, 13.	4.	Two-story brick.	Loss $193.28; recall 4. 54 p. m.; unknown.
Monday	9	24	12.29	.....	425 Forrest street.	A. J. Goldstien.	Dwelling and liq'r saloon.	6.	1, 5.	Three-story brick.	Loss $642.42; recall 1. 42 a. m.; unknown.
Monday	9	313	.....	9.26½	103 W. Franklin st.	E. B. Carter.	B'rding house	.....	4.	Four-story brick.	Loss $65.34; recall 9.44 p. m.; lighted match thrown on the floor.
Tuesday	10	424	11.53	.....	S. E. corner Fremont and Lexington sts.	A. E. Melty.	Drug store.	8.	.....	Three-story brick.	Loss $21.10; recall 12. 03 p. m.; explosion of alcohol.
Tuesday	10	343	.....	1.19	1407 N. Charles street.	G. D. Clark.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 1.47 p. m.; foul chimney.
Tuesday	10	312	.....	10.05	109 W. Lexington st.	S. L. Heilner.	Dry goods and cloak store.	8 Chemical.	2.	Three-story brick.	Loss $1,489.90; recall 10.32 p. m.; sparks falling from chimney; extinguish'rs 1, 4, 7, and 10 Engine Cos.
Tuesday	10	395	.....	11.30	Corner Union ave. and Falls road, Annex.	Geo. Costello.	Drug store and dwelling	.....	9.	Two-story frame.	Loss $155; recall 11.59 p. m.; explosion of chemicals.
Wednesday	11	345	.....	7.21	2003 Maryland avenue, Annex.	C. W. Small.	Dwelling.	.....	4.	Three-story brick.	Loss none; recall 7.45 p. m.; children playing with matches.
Thursday	12	26	.....	9.27	726 Eden court.	B. Zimmerman.	Dwelling.	.....	.....	Two-story brick.	Loss none; recall 9.35 p. m.; foul chimney; extinguishers 6 and 9 Engine Cos.
Thursday	12	35	.....	10.25	902 Brown's court.	None.	.....	.....	4.	Two-story brick.	Loss $10; recall 10.41 p. m.; incendiary; extinguisher 7 Engine Co.
Friday	13	323	1.01	.....	810 Harlem avenue.	H. Hoffman.	Dwelling.	.....	.....	Three-story brick.	Loss $184.90; recall 1. 15 a. m.; gas jet set fire to lace curtain; extinguisher 13 Engine Co.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

Date.	Box.	Hour A. M.	Hour P. M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L. in Service.	Style of Building.	Remarks.
Saturday 14	41	2.45	.....	14 W. Baltimore st., running back to 12 Bank lane.	John Korb & Co. Geo. Willig.	Jew'lry manufactory. Music printer.	1, 2, 3, 4, 6. 10, 8 Chemicals.	1, 2.	Four-story brick.	Loss $6,802.76; recall 4.41 a. m.; sparks from furnace on second floor.
Sunday 15	261	1.01½	.....	1123 N. Central ave., in the rear.	B. Hart.	Chicken coop.	.....	5.	Frame shed.	Loss $119.75; recall 1.29 a. m.; unknown.
Sunday 15	347	.....	6.39½	920 St. Paul street.	Geo. C. Jenkins.	Stable.	7.	4.	Two-story brick.	Loss $77.91; recall 7.19 p. m.; some one smoking in loft.
Tuesday 17	321	.....	4.45	403 N. Green street.	John T. Say.	B'rding house.	.....	4.	Four-story brick.	Loss $65.50; recall 4.57 p. m.; heat from flue.
Wednesday 18	512	.....	9.50	1 Balderston street.	H. L. Hogg.	Jap'nning factory.	8 Chemical.	1.	Three-story brick.	Loss $35; recall 10.35 p. m.; heat from stove.
Friday 20	41	2.22	.....	11 N. Charles street.	Domestic Sewing Machine Co.	Salesroom.	4. 8 Chemical.	1, 2.	Four-story brick with mansard roof.	Loss $1,095.10; recall 3.51 a. m.; lighted match thrown amongst loose paper
Friday 20	485	9.23	.....	Carroll ave., Annex.	St. Mary Industrial School.	Work-shop.	14. 1,2Ch'mic'ls	8.	Two-story frame.	Loss $631.01; recall 11.45 a. m.; unknown.
Friday 20	53	.....	5.59½	910 Columbia avenue.	J. Bullock.	Dwelling.	.....	2.	Three-story brick.	Loss $46; recall 6.10 p. m.; gas jet set fire to curtains.
Friday 20	61	.....	11.50	723 Light street.	J. Bloberger.	Dwelling and bakery.	.....	6.	Three-story brick.	Loss $12; recall Saturday, 21st, 12.13 a. m.; heat from bake-oven.
Saturday 21	234	2.15	.....	1816 E. Fayette street.	Frank Sembler.	Dwelling and bakery.	.....	3.	Three-story brick.	Loss $33.05; recall 2.55 a. m.; upsetting of a pan of lard on the stove; extinguisher 9 Engine Co.

Monday	23	343	3.29	.....	1602 St. Paul street.	W. Marriott.	Dwelling.	.....	4.	Three-story brick.	Loss $143; recall 3.49 a. m.; gas jet set fire to curtain.
Monday	25	284	.....	1.54	5 Henrietta street. 7 and 9 Henrietta st., Annex.	Frank Hall.	Dwelling. Not occupied.	2, 3, 4, 6, 7 Chemicals	5.	Two story frame. Two story frame.	Loss $729.77; recall 4. 45 p. m.
Tuesday	24	159	.....	4.04	535 S. Broadway.	J. Frankel.	Dry goods store.	5.	3.	Three-story brick.	Loss $1,023; recall 4.40 p. m.; toy locomotive set fire to goods in the window.
Friday	27	8	1.16	.....	Foot of Garrett ave.	Coates & Son.	Rolling mills & oil house.	.....	6.	One-story frame.	Loss $25; recall 1.42 a. m.; heat from stove.
Friday	27	31	2.49	.....	212 Pleasant street.	J. M. Main.	Dwelling and saloon.	.....	1.	Three-story brick.	Loss $263.85; recall 3. 08 a. m.; overheated stove-pipe; extinguisher 4 Engine Co.
Saturday	28	422	.....	5.39	412 E. Baltimore st.	Strasberger & Son	Clothing store	.....	1.	Four story brick.	Loss $304; recall 5.51 p. m.; gas jet set fire to curtain; extinguisher 4 Engine Co.
Sunday	29	364	.....	6.55	914 Druid Hill avenue.	J. Hoffman.	Dwelling.	.....	4.	Three-story brick.	Loss $142.51; recall 7. 10 p. m.; lighted candles set fire to a Christmas tree.
Monday	30	145	3.24	.....	13 N. Eden street.	L. Konigsberg.	Grocery and store and dwelling.	3.	3.	Three-story brick.	Loss $642.46; recall 4. 12 a. m.; unknown.
Tuesday	31	476	11.58	.....	Calverton, Annex.	K. Kavanaugh.	Dwelling.	.....	.....	Two-story frame.	Loss none; recall 12.30 p. m.; defective flue.
Tuesday	31	425	.....	5.35	860 W. Baltimore st.	D. Trimper.	Saloon and dwelling.	.....	2.	Three-story brick.	Loss $40; recall 5.47 p. m.; lighted candles set fire to a Christmas tree.
Tuesday	31	115	.....	11.27	515 W. Baltimore st.	Jos. Bergman.	Sale stable.	1, 2, 3, 4. 5, 6, 7, 8, 10, 12, 14.	1,2,4,5 6.	Three-story brick.	Loss $5,582.25; recall January 1, 1890, 7.58 a. m.; unknown; the stable contained 16 tons of loose hay and 160 horses.
General alarm	....	.....		11.32							

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1889.

DATE.	BOX.	Hour A. M.	Hour P. M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tuesday 31	514	.....	11.45	330 W. Pratt st.	Benj. Kaufman. A. Schaffer. 41	Cl'thing store Dwelling.	1, 11, 13.	5.	Three-story brick.	Loss $8,455.52; recall January 1, 1890, 1.33 a. m.; unknown.

Total Fires and Alarms	393	Loss	$472,712.07
Total Silent Fires and Alarms	152	Loss	5,617.07
Total	545	Total	$477,329.07

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